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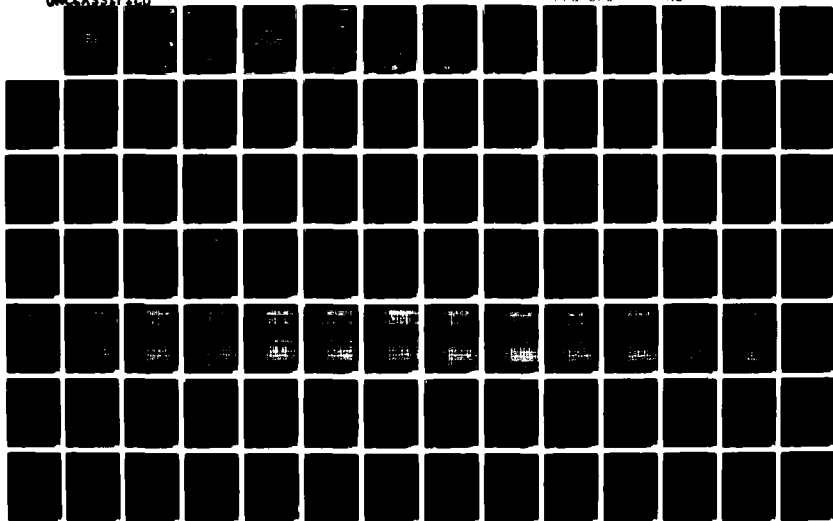
JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 63G FUEL
AND ELECTRICAL SYS. (U) DEFENSE LANGUAGE INST LACKLAND
AFB TX ENGLISH LANGUAGE CENTER.. 30 JUL 76

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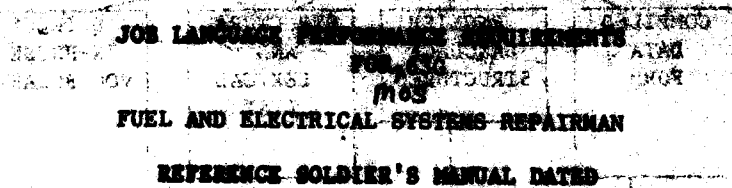
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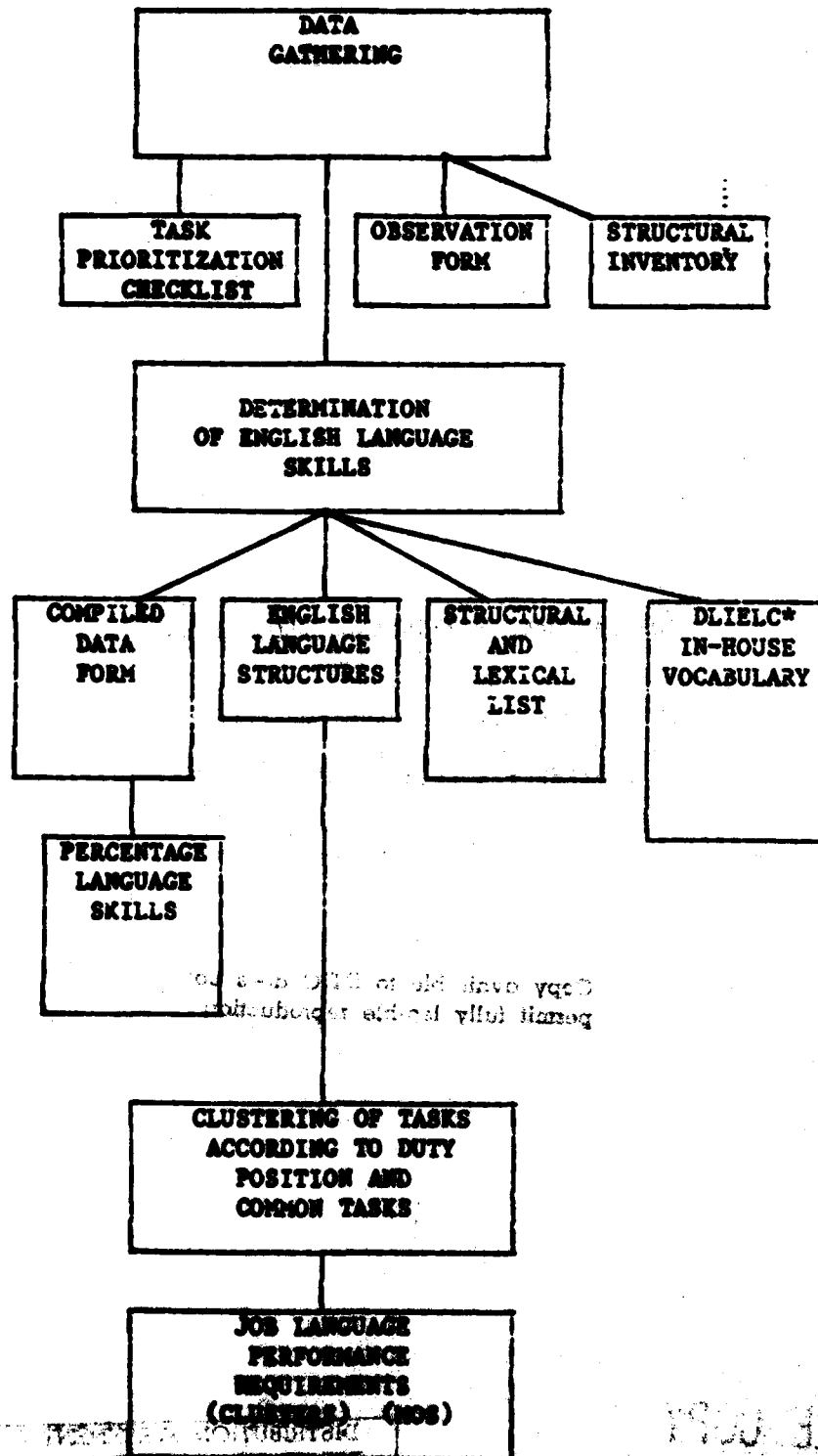


FIGURE 1

*Defense Language Institute English Language Center

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Job Language Performance Requirements (JLPR) study was conducted to deter- mine language tasks the soldier must do in studying/performing job tasks. The language skills (listening, reading, writing, speaking) required to learn each Army job task were identified, conditions studied and standards determined. The data that generated the JLPR is identified.		

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PREFACE

INSTRUCTIONS FOR REVIEW OF JOB LANGUAGE PERFORMANCE REQUIREMENTS

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This report is organized in six main sections. Sections I-IV discuss methods, forms and rationale for gathering, organizing and analyzing research data used to develop Job Language Performance Requirements (JLPR). Please look through these sections to get a general understanding of the background underlying the JLPR. Sections V and VI are the major substantive portions of the analysis. They are the results of the analysis and constitute the basis for development of any MOS-oriented English language materials. Section V contains the JLPR by cluster/topic, while Section VI contains the JLPR covering the entire range of clusters/topics.

The appendices, one through eight, contain all the information used to determine the Job Language Performance Requirements. Please write any suggestions or changes directly on the document or attach additional notes, if necessary.

The points covered in the six major sections are supported in greater detail in eight appendices. Below is an overview of these appendices.

Appendix one contains the Task Prioritization Checklist. It was taken to the field to collect the raw data. This form was approved for use by the Department of the Army.

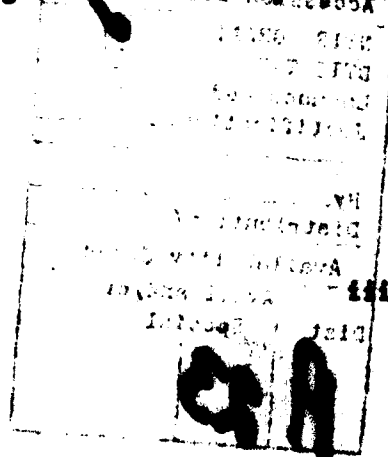
Appendix two contains the Task Inventory Compiled Data Form. It was used to organize data from Unit and AIT respondents.

Appendix three defines the language skills by percentage. This form includes computations of language skills for each task cluster.

Appendix four contains the Observation Form used in the recording of types of listening and speaking skills required, as seen by observers, in the learning and performing of a task. The variety of environmental situations is also included on this form.

Appendix five contains the final list of structural and lexical items found through data gathering and organization.

Appendix six contains the DLIELC in-house vocabulary list. This is a task by task listing of the vocabulary extracted from the Soldier's Manual.



Appendix seven contains the machine-generated vocabulary for this MOS prepared by the United States Army Training and Doctrine Command (TRADOC), Fort Monroe, Virginia.

Appendix eight contains the list of structural and lexical items requisite to this MOS.

DIFFERENTIAL ANALYSIS

Thank you for your cooperation. It is greatly appreciated.

SECTION I: DATA GATHERING

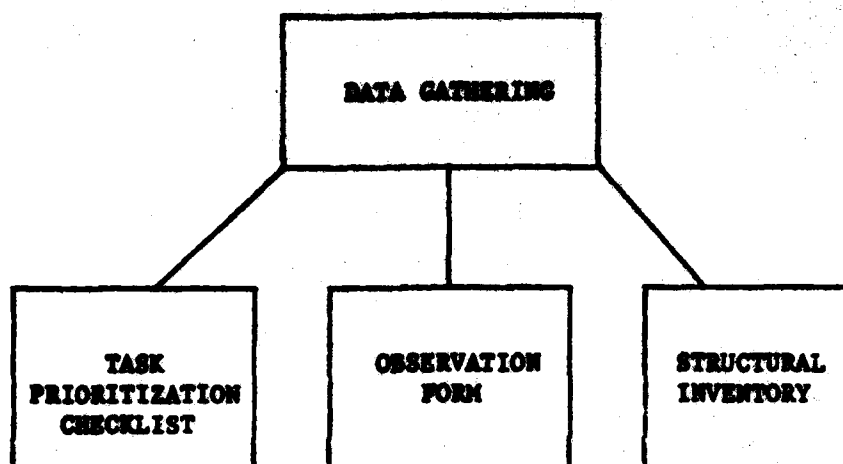


FIGURE 2

In order to establish Job Language Performance Requirements for this MOS the curriculum development specialists at the Defense Language Institute English Language Center (DLIELC) analyzed the current learning and working situations, and individual tasks. The goal was to collect data which would help identify the Job Language Performance Requirements pertinent to this MOS.

To conduct this analysis, training specialists visited the AIT School and Unit cadre. Interviews were conducted using a Task Prioritization Checklist, (Appendix 1). For each task, first-line supervisors answered the following questions:

1. Is the task taught?
2. How is the task taught?
3. Is the task tested?
4. How is the task tested?
5. How important are speaking, listening, reading and writing in learning and performing the task?
6. What are the results of poor performance in performing the task.

Additional data were gathered through use of an Observation Form and an analysis of language structures in the Soldier's Manual for this MOS.

The Observation Form (Appendix 4) was used to record actual observations of the learning situations, populations, tasks, and language.

The lexical and structural analysis was done by a panel of language specialists who first listed all structures found in the Soldier's Manual for this MOS and then all structures, standard and non-standard, noted on the Observation Forms for all vocabulary from the Soldier's Manual. All lists were then combined into an overall lexical and structural inventory.

SUMMARY/CONCLUSION:

The tools for data gathering were:

1. The Task Inventory (Appendix 1)
2. The Task Inventory Observation Form (Appendix 2)
3. The Observation Form (Appendix 4)
4. A Structural and Lexical Inventory (consisting of rough drafts of all vocabulary and structures in this MSS).

These tools were used to form the data pool from which the Job Language Requirements were determined.

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SECTION II: DETERMINATION OF ENGLISH LANGUAGE SKILLS

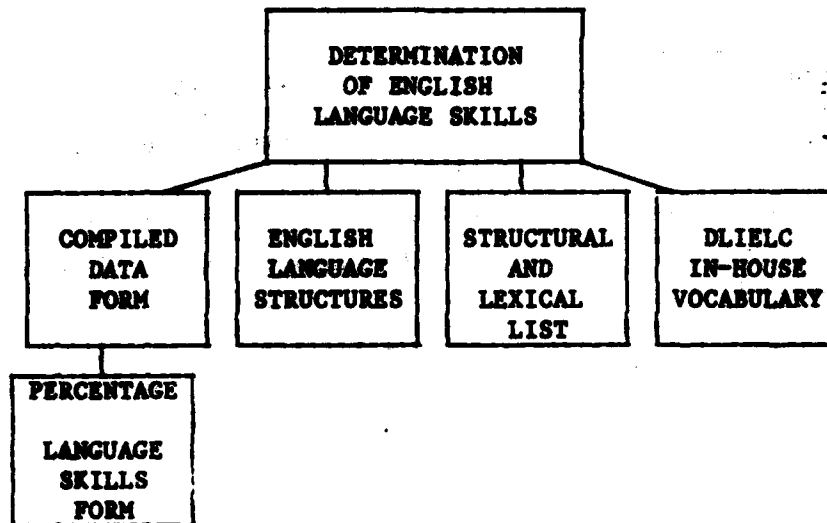


FIGURE 3

The raw data collected as described in Section II above was used to determine the English Language skills which the soldier must learn to learn and perform the task. The Compiled Data Form, Appendix 2, was used to organize the observation and analysis data. Selected information from the Task Prioritization Checklist was recorded directly on this form. Specifically three variables were used to determine the language skills involved. They were:

1. Methods of teaching.
2. Methods of testing.
3. The actual respondents' ratings of the four English language skills.

From each of the three variables the following skills were determined:

VARIABLE	ENGLISH LANGUAGE SKILLS
Methods of Teaching demonstration lecture hands on self-paced	listening, listening, writing listening reading, writing

Methods of Testing performance oral written	listening speaking writing, reading
Rating of English Language Skills listening speaking reading writing	*a response of 2 or 3 on a scale of 1 to 3 was tallied a response of 1, 2, or 3 on a scale of 1 to 5 was tallied

*See A1

In order to determine the relations of the various skills in the MOS, data from the three variables were tallied on the Percentage Language Skills Form. An average was then found using the following formula:

$$TR \div TxVxR = \% \text{ of use}$$

T = total number of tasks per cluster

V = language skill variable per cluster**

R = maximum number of respondents in any task in that cluster

TR = total tally of responses per task per skill

% of use = use of the language skill in the task

Percentages found in this MOS were:

Listening	47%
Speaking	29%
Reading	24%
Writing	24%

As shown by the figures, listening is the most important skill in this MOS. However, in particular duty sections, percentages varied. Appendix 3, the Percentage Language Skills Form, shows the actual skill percentages in each duty position.

**See A3

Organization of structural and lexical items was done by comparing a structural and lexical list extracted from the Soldier's Manual with a structural inventory list extracted from ALC (American Language Center) materials through Volume 2400, at the end of which a trainee is normally qualified for Specialized English Technical Terminology training. By comparing the lists redundancies were eliminated, leaving the final list of structural and lexical items indicated by grammatical title in Appendix 5.

SUMMARY/CONCLUSION:

Organization of the data included the recording of responses on the Task Inventory Compiled Data Form, use of the Percentage Language Skills Form, and the DLIELC in-house structural analysis list. Skills were analyzed by duty section. The actual lexical items in this MOS were grouped and listed task by task. This information was then used to determine the specific Job Language Performance Requirements.

SECTION III

CLUSTERING OF COMMON AND DUTY POSITION TASKS

INTRODUCTION

Due to the overlapping of certain elements among the various MOS, tasks were clustered in order to prevent duplication of effort for each MOS.

This section contains a listing of the clusters for this MOS.

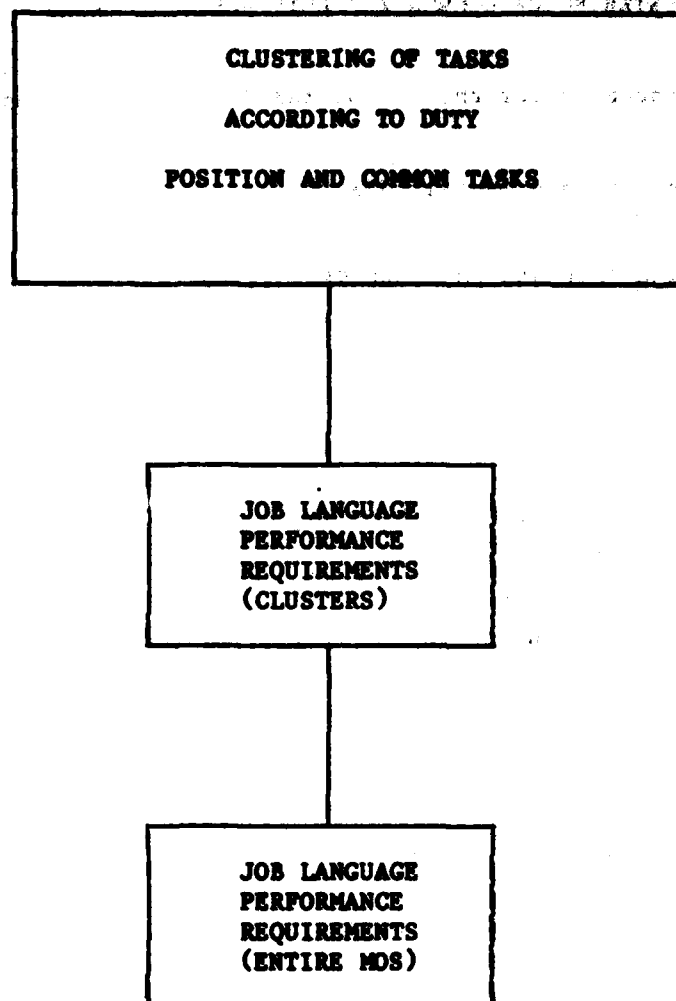


FIGURE 4

SECTION III: CLUSTERING OF COMMON AND DUTY POSITION TASKS

Clustering was done by using the common and duty position tasks in the Soldier's Manual.

The following clusters are in this NOS:

1. FIRST AID
2. NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS
3. INDIVIDUAL FITNESS
4. CAMOUFLAGE
5. LAND NAVIGATION
6. M16A1 RIFLE
7. LOGISTICAL MANAGEMENT
8. SUPPLY
9. MAINTENANCE
10. OPERATION AND MAINTENANCE OF TEST EQUIPMENT
11. TEST AND OVERHAUL FUEL SYSTEMS
12. TEST AND OVERHAUL ELECTRICAL SYSTEMS
13. REPAIR BRAKE SYSTEM COMPONENTS
14. PERFORM MAINTENANCE ON AUTOMOTIVE ELECTRICAL SYSTEMS
15. PERFORM MAINTENANCE ON AUTOMOTIVE FUEL SYSTEMS

SECTION IV

JOB LANGUAGE
PERFORMANCE REQUIREMENTS

INTRODUCTION

This section discusses the format for the Job Language Performance Requirements.

SECTION IV: JOB LANGUAGE PERFORMANCE REQUIREMENTS

The format for the Job Language Performance Requirements is:

TASK:
CONDITION:
STANDARD:

A. TASK

The Job Language Performance Requirements state the language tasks the soldier must do in studying/performing specific MOS job tasks. A task addressing language would be one of reading, listening, speaking or writing. Job tasks, as seen in the Soldier's Manual, are those which pertain to the soldiers duties. To write these as language tasks required the following explanations of what the soldier would speak, read, listen and write. Below are the kinds of explanations that had to be made in this MOS.

SPEAKING

Produces oral utterances to report/inform/explain/elicit response/respond.

Analysis of this MOS indicates verbal reports entailing those activities directly related to the soldiers job tasks.

The speaking act to respond or elicit response in this MOS is an oral response to a command or visual signal.

Speaking to explain involves situations of instruction in any training situation.

Speaking to inform involves producing oral utterances to communicate necessary information.

READING

Read for information/to learn.

Printed and written materials are used throughout this MOS. The soldier is expected to read technical manuals, fields manuals, soldier's manual, written communication and audio-visual aids. Content of these materials is presented in formats and styles ranging from simple factual words or sentences to complex passages containing highly technical vocabulary, often with ellipsis. The purpose is to teach the student, so the student reads them to learn. Reading to learn involves reading names, attributes, information, procedures, explanations of how systems work, concepts, vocabulary terms, and definitions which are committed to short or long term memory for immediate or later recognition.

Basically, the soldier will use these reading materials to supplement what is stated in a lecture by integrating the information from the different texts or written communiques into his understanding of the previous lecture.

The soldier must develop the ability to understand the words in context, to read in thought units, and then select and understand the main ideas. The soldier must retain, apply, and integrate these ideas with past experience to use in his MOS.

Reading to learn, then, is a synthesis. What is read is to be retained in memory for integration in new experiences.

Reading for information, on the other hand, is quite different. The read material is to be retained only in short term memory, used for a specific purpose (i.e., look up a metric equivalent of 37 pounds) and then forgotten.

LISTENING

Listen to oral information to learn/to report.

In this MOS, lecture is a main method of instruction. The lecture is often supplemented by a demonstration. The soldier listens to the lecture to learn data pertinent to the task. Analysis of lecture presentations indicated many language variables. The soldier hears sub-standard usages, various registers of style and formality, colloquialisms, even profanity, in situations ranging from a barracks to a field. The soldier must differentiate between the types of language functions. Is it expression, exchange, description, explanation, argumentation, persuasion, statement, request, or order? The oral information may be directly from the speaker and/or indirectly such as over the telephone, radio, TV, or tape. The soldier must organize and gain meaning from what is heard. Out of all these variables, the soldier must identify or infer the main ideas or major points.

Analysis of this MOS did not and could not specify all types of spontaneous language the soldier would be exposed to. The POI, though, does show the general form of the constrained oral language the soldier must listen to in order to learn the task.

B. CONDITIONS

The condition is what the soldier will be given in order to do the task. For the MOS job, the soldier is given paper, pencil, and printed materials. For language purposes, he will be given certain structural and lexical features as found through the data gathering and organizing from interviews and observations. Again, for the job that the soldier will be given, the material may be under normal working conditions, though other conditions may be added such as with or without protective gear or in darkness.

The soldier will read lists, tables, procedures, checklists or signs, and will hear scenarios, lectures, explanations, and commands. Therefore, these are listed with the Job Language Performance Requirements as possible conditions.

C. STANDARDS

The standard for our purpose is 100%. A standard for understanding or speaking cannot be tested as saying the soldier will disassemble a .45 caliber pistol in eight minutes. Because of this, 100% understandable speech or 100% legibility is used as a reference.

SUMMARY/CONCLUSION:

The Job Language Performance Requirements including tasks, conditions, and standards, were first written for each task cluster. The clusters were then combined into the Job Language Performance Requirements for the entire MOS.

SECTION V

JOB LANGUAGE PERFORMANCE REQUIREMENTS (CLUSTERED)

INTRODUCTION

Sections I, II, III, and IV described how Job Language Performance Requirements were identified and constructed.

This section contains the Job Language Performance Requirements for each task cluster pertinent to this MOS.

FIRST AID

I. PERCENTAGE LANGUAGE SKILLS

Listening	44%
Speaking	26%
Reading	21%
Writing	21%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to respond
CONDITIONS:	Given a medical scenario involving simple questions about an illness in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral utterances
TASK:	Produce oral utterances to explain
CONDITIONS:	Given a simple medical scenario requiring an oral interpretation in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral communication
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of procedures, explanations and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1070	Determine First Aid Measures to be Applied to a Casualty
091-63A-1071	Perform Artificial Respiration Using Chest Pressure-Arm Lift Method
091-63A-1072	Perform Artificial Respiration Using Mouth-to-Mouth Method
091-63A-1073	Stop the Bleeding of a Wound
091-63A-1074	Administer Shock Control Measures to a Casualty
091-63A-2075	Describe First Aid Treatment of Burns

091-63A-2078 Describe Treatment of Environmental Injuries

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1. The first step in the process of the development of a new product is the identification of a market need. This is done by conducting market research and analyzing the needs of potential customers. Once a market need has been identified, the next step is to develop a concept for a product that meets this need. This involves brainstorming ideas and selecting the most promising one. The third step is to develop a detailed plan for the product, including its features, benefits, and target market. This plan is then used to guide the development of the product. The fourth step is to develop a prototype of the product, which allows the developer to test the product and make any necessary adjustments. Finally, the product is developed and marketed to the target market.

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100

NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	56%
Speaking	56%
Reading	21%
Writing	27%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral warnings or verbal commands regarding simulated NBC situations (scenarios) in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral utterances
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given NBC situations requiring oral alarms
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of warnings, procedures, definitions, captioned illustrations and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1001	Put on Protective Mask
091-63A-1002	Give NBC Alarms and Warnings
091-63A-1003	Recognize and Interpret Markers for Areas of NBC Contamination and Hazards
091-63A-1004	Decontaminate Your Skin Using the NSS Training Kit
091-63A-1005	Decontaminate Your Individual Weapon Using ABC-M13 Kit
091-63A-1006	Apply First Aid Measures to a Chemical Casualty
091-63A-1007	Inspect and Maintain M17 or M17A1 Protective Mask and Its Carrier
091-63A-1008	Take Defense Actions Against Effects of a Nuclear Burst and Possible Resulting Fallout
091-63A-2009	Identify the Three Types and Describe Effects of Nuclear Bursts
091-63A-2010	Describe Actions For Crossing a Radiologically Contaminated Area

INDIVIDUAL FITNESS

I. PERCENTAGE LANGUAGE SKILLS

Listening	50%
Speaking	25%
Reading	0%
Writing	0%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses

III. TASK NUMBERS AND TITLES

091-63A-1100	Maintain an Appropriate Level of Physical Fitness (MALE ONLY)
091-63A-1101	Maintain an Appropriate Level of Physical Fitness (FEMALE ONLY)

CAMOUFLAGE

I. PERCENTAGE LANGUAGE SKILLS

Listening	64%
Speaking	50%
Reading	13%
Writing	20%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses

III. TASK NUMBERS AND TITLES

091-63A-1050 Camouflage Yourself and Your Weapon

LAND NAVIGATION

I. PERCENTAGE LANGUAGE SKILLS

Listening	26%
Speaking	18%
Reading	7%
Writing	11%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of marked maps, definitions, captioned illustrations, instructions and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to record an azimuth reading
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-2140	Measure a Magnetic Azimuth With a Compass
091-63A-2141	Measure an Azimuth on a Map With a Protractor
091-63A-2142	Convert a Magnetic Azimuth to a Grid Azimuth
091-63A-2143	Measure Ground Distance on a Map
091-63A-2144	Locate a Point on a Map Using Military Grid Reference System

091-63A-2145	Orient a Map Using a Compass
091-63A-2146	Determine Your Location on a Map
091-63A-2147	Locate an Unknown Point by Intersection
091-63A-2148	Locate an Unknown Point by Resection
091-63A-2149	Determine Elevation and Relief on a Map
091-63A-2150	Use Map Legend Data to Identify Symbols on a Map

M16A1 RIFLE

I. PERCENTAGE LANGUAGE SKILLS

Listening	70%
Speaking	45%
Reading	10%
Writing	13%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral information
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Write to record
CONDITIONS:	Given a requirement to complete a range card
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1120	Maintain Individual Weapons
091-63A-1121	Perform Battlesight Zeroing of M16A1 Rifle

LOGISTICAL MANAGEMENT

I. PERCENTAGE LANGUAGE SKILLS

Listening	35%
Speaking	24%
Reading	36%
Writing	37%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of DA pamphlets, LOs, TMs and logbooks
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to complete DA forms and logbooks
STANDARDS:	100% understandable and legible written content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1300	Use Department of the Army (DA) Pamphlet 310-4
091-63A-1301	Prepare TAMSIS Forms Used by Vehicle Operator
091-63A-1302	Perform Equipment Serviceability Criteria (ESC)
091-63A-2303	Use DA Pam 310-7
091-63A-2304	Describe Types of Modification Work Orders (MWO)

SUPPLY

I. PERCENTAGE LANGUAGE SKILLS

Listening	40%
Speaking	17%
Reading	33%
Writing	31%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS: 100% understanding of oral communication

TASK: Read to learn
CONDITIONS: Given printed MOS training materials in the form of DA pamphlets, logbooks, manuals and references
STANDARDS: 100% understanding of printed content

TASK: Write to record
CONDITIONS: Given a requirement to complete DA forms
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1340	Locate and Record National Stock Number (NSN) for a Repair Part
091-63A-2341	Complete Entries on Document Register for Supply Action (DA Form 2064) and on Record of Demands (DA Form 3318)

MAINTENANCE

I. PERCENTAGE LANGUAGE SKILLS

Listening	44%
Speaking	18%
Reading	21%
Writing	30%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)

STANDARDS: 100% understanding of oral communication

TASK: Write to inform
CONDITIONS: Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)

STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1360	Maintain Assigned Tool Kit/Set
091-63A-1361	Maintain Individual Clothing and Equipment

OPERATION AND MAINTENANCE OF TEST EQUIPMENT

I. PERCENTAGE LANGUAGE SKILLS

Listening	46%
Speaking	26%
Reading	36%
Writing	32%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)

STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)

STANDARDS: 100% understandable oral responses

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of procedures, manuals and references

STANDARDS: 100% understanding of printed content

TASK: Write to inform
CONDITIONS: Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)

STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63G-1401	Operate Test Equipment Safely
091-63G-1402	Operate Fuel Injector Pump Test Stand
091-63G-1403	Maintain Fuel Injector Pump Test Stand
091-63G-1404	Operate Injector Nozzle Test Stand (Comparator)
091-63G-1405	Troubleshoot Fuel Injector Nozzle Test Stand
091-63G-1406	Perform Maintenance on Fuel Injector Nozzle Test Stand
091-63G-1407	Operate Bench Type Ignition Component Tester (Distributor)

091-63C-1408	Troubleshoot Magneto Test Stand
091-63C-1409	Perform Maintenance on Magneto Test Stand
091-63C-1410	Perform Preventive Maintenance on Engine Distributor Tester
091-63C-1411	Operate 500-Amp Test Stand
091-63C-1412	Perform Maintenance on 500-Ampere Test Stand
091-63C-1413	Troubleshoot 500-Amp Test Stand
091-63C-1414	Mount Generator and Regulator to Test Stand
091-63C-1415	Operate Low Voltage Circuit Tester (Model 30-92)
091-63C-1416	Perform Maintenance Service on Low Voltage Circuit Tester
091-63C-1417	Inspect and Maintain Horizontal Bench Mounted Honing Machine
091-63C-1418	Troubleshoot Multimeter TS-352B/U
091-63C-1419	Perform Preventive Maintenance on Multimeter TS-352B/U

TEST AND OVERHAUL FUEL SYSTEMS

I. , PERCENTAGE LANGUAGE SKILLS

Listening	49%
Speaking	24%
Reading	41%
Writing	36%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of DA pamphlets, procedures, definitions, SOPs, manuals and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63G-1431	Overhaul Double Hydraulic Head Injector Pump PSS-12BT
091-63G-1432	Repair Simmonds Injector Pump
091-63G-1433	Repair PTC Type Fuel Pump
091-63G-1434	Overhaul Single Head Hydraulic Injector Pump
091-63G-1435	Perform Fuel Pump Gear Assembly Test on PTC Type Fuel Pump

091-63G-1436	Overhaul Diesel Injector Nozzles
091-63G-1437	Repair Fuel Injector Nozzle
091-63G-1438	Repair Fuel Injector Assembly (GM Series 8V71T)
091-63G-1439	Test/Calibrate Diesel Injector Nozzles
091-63G-1440	Test Injector Plunger Seat
091-63G-1441	Pressure Test Fuel Injector Using Test Fixture
091-63G-1442	Overhaul Gear Type Fuel Pump
091-63G-1443	Overhaul Diaphragm Type Fuel Pump
091-63G-1444	Overhaul Electric Type Fuel Pump
091-63G-1445	Overhaul Single Barrel Carburetor

TEST AND OVERHAUL ELECTRICAL SYSTEMS

I. PERCENTAGE LANGUAGE SKILLS

Listening	61%
Speaking	38%
Reading	34%
Writing	30%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, descriptions, SOPs, manuals and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63G-1456	Overhaul 400-Amp DC Generator Control Box
091-63G-1457	Overhaul Ignition Distributor Removed From a 1/4-Ton Truck
091-63G-1458	Repair 300-Amp DC Generator
091-63G-1459	Overhaul 25-Amp DC Generator
091-63G-1460	Repair 60-Amp Model AMA-5102UT Generator
091-63G-1461	Clean and Inspect Generator
091-63G-1462	Repair Model 5504AA 100-Amp Generator
091-63G-1463	Overhaul Model 2184AC 100-Amp AC Generator (Alternator)

REPAIR BRAKE SYSTEM COMPONENTS

I. PERCENTAGE LANGUAGE SKILLS

Listening	59%
Speaking	36%
Reading	34%
Writing	31%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of DA pamphlets, SOPs, procedures, manuals and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63G-1474	Operation and Maintenance of the Floor Mounted Brakedrum Lathe
091-63G-1475	Rebuild Master Cylinder
091-63G-1476	Rebuild Air Hydraulic Cylinder
091-63G-1477	Reline Brakeshoes
091-63G-1478	Machine Brakedrums

PERFORM MAINTENANCE ON AUTOMOTIVE ELECTRICAL SYSTEMS

I. PERCENTAGE LANGUAGE SKILLS

Listening	29%
Speaking	16%
Reading	21%
Writing	16%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of directions, procedures, definitions, manuals and references
STANDARDS:	100% understanding of printed content

III. TASK NUMBERS AND TITLES

091-63G-2491	Test and Adjust Tracked Vehicle Starter
091-63G-2492	Test Wheeled Vehicle Starter
091-63G-2493	Replace Starting Switch on an M816 Medium Wrecker
091-63G-2494	Remove and Replace Starter Motor
091-63G-2495	Remove and Replace Starter From the M60A1 Powerpack
091-63G-2496	Repair a Defective Wire in a Vehicle Wiring Harness
091-63G-2497	Perform a Cam Dwell Test on a Spark Ignition Engine
091-63G-2498	Remove and Clean Spark Plugs and Set Spark Plug Gap
091-63G-2499	Approximate Timing by Distributor Positioning
091-63G-2500	Perform Precision Timing of a Distributor
091-63G-2501	Check and Adjust Magneto Breaker Points
091-63G-2502	Install, Synchronize, and Time Magnetos on M88 Recovery Vehicle Engine

- 2511 Perform a Load Bank and Field Resistance Test Using the Low Voltage Circuit Tester (LVCT)
- 2512 Remove and Replace the Generator Assembly on the M60A1 Tank
- 2513 Perform an AC Voltage Test Using a Multimeter
- 2514 Troubleshoot the Lighting System on an M151 1/4-Ton Truck
- 2515 Troubleshoot Inoperative Oil Pressure Gage
- 2516 Inspection of Fuel Control Valve on a Personnel Heater
- 2517 Troubleshoot Personnel Heaters
- 2518 Test Assembled Generator with Regulator Removed
- 2519 Test and Adjust 100-Ampere Generator Regulator
- 2520 Test 100-Ampere AC Generator Model 2184AC
- 2521 Test and Adjust 40/60-Ampere Generator
- 2522 Test 300-Ampere DC Generator Control Box
- 2523 Test and Adjust 25-Ampere DC Generator Regulator
- 2524 Perform Generator Load Test, 25-Ampere, DC Generator. On an M151 1/4-Ton Truck
- 2525 Test an Ignition Distributor Removed From a 1/4-Ton Truck
- 2526 Mount Generator or Regulator to Test Stand
- 2527 Remove and Replace the Generator or Alternator on Wheeled Vehicles

PERFORM MAINTENANCE ON AUTOMOTIVE FUEL SYSTEMS

I. PERCENTAGE LANGUAGE SKILLS

Listening	36%
Speaking	17%
Reading	36%
Writing	25%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of directions, procedures, definitions, manuals and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63G-2531	Remove and Replace Carburetor
091-63G-2532	Remove/Install Four-Barrel Carburetor
091-63G-2533	Adjust the Governor Gap on the Engine of the M109 Howitzer
091-63G-2534	Install and Time the Fuel Injector Pump on the LDS 465-1 Engine
091-63G-2535	Remove Fuel Injector Pump from the M60A1 Tank Powerpack
091-63G-2536	Install and Time Fuel Injector Pump on the M60A1 Tank Engine
091-63G-2537	Remove and Replace Fuel Injector Nozzles on Powerpack of M60A1 Tank
091-63G-2538	Troubleshooting Simmonds Fuel Pump
091-63G-2539	Inspect and Repair the Idle Adjustment Assembly from a Simmonds "SU" Fuel Injector Pump
091-63G-2540	Remove and Replace Fuel Supply Pump on the M109 Howitzer
091-63G-2541	Remove and Replace Fuel Injector Assemblies From M109 Howitzer

- 091-63G-2542 Remove and Replace the Fuel Supply Pump on the Cummins WHC-250 Diesel Engine
- 091-63G-2543 Install Injector Nozzle on Multifuel Engine
- 091-63G-2544 Test, Calibrate, and Adjust PTD Fuel Injector
- 091-63G-2545 Test Calibrate Single Head PSB6A Injector Pump
- 091-63G-2546 Inspect Injector Spring, Plunger, and Plunger Coupling from a PTD Injector Assembly
- 091-63G-2547 Inspect Fuel Injector Nozzle and Holder Assembly
- 091-63G-2548 Adjust and Calibrate Fuel Flow on a Fuel Injector Pump (Simmonds Model "SU")
- 091-63G-2549 Test and Calibrate Double Head Injector Pump (PSB 12BT)
- 091-63G-2550 Perform a Fuel Pump Housing Porosity and Leakage Test on a PT Type Fuel Pump
- 091-63G-2551 Perform General Parts Inspection and Repair on a Simmonds "SU" Fuel Injector Pump
- 091-63G-2552 Inspect Double Hydraulic Head Injector Pump PSB12BT
- 091-63G-2553 Troubleshoot Bosch Fuel System on M35A1 2-1/2-Ton Truck

SECTION VI

JOB LANGUAGE PERFORMANCE REQUIREMENTS (Entire MOS)

INTRODUCTION

This section contains language tasks for each generic skill for this MOS. Listed below each task are the types of receptive or productive language activity involved.

LISTENING

TASK: Understand oral language intended to inform or instruct.

CONDITIONS: Given explanations, procedures, rules, instructions or definitions in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5 & 6)

STANDARDS: 100% understanding and assimilation of presented oral language task.

The following are specific conditions found in this language task:

Warnings
Described situations
Directions
Lectures
Commands, Orders
Sound tracks (films, tapes)
Standard/Non-standard English
Instructions
SQT questions

TASK: Understand spontaneous oral language or language via a technical medium - such as a radio telephone - intended to inform and elicit responses.

CONDITIONS: Given scenarios, questions, commands or requests in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5, & 6)

STANDARDS: 100% understanding and assimilation of oral language in order to apply and respond.

The following are specific conditions found in this language task:

Shouting
Radio communications
Coded messages
Spellings
Conversation
Requests

SPEAKING

TASK: Formulate and produce appropriate oral responses spontaneously.

CONDITIONS: Given any verbal stimulus in the form of questions, scenarios, instructions, or cues in any training situation.
(Appendices 5 & 6)

STANDARDS: 100% understandable oral response using correct lexicon and syntax for the training situation.

The following are specific conditions found in the language task:

- Explanations
- Statements
- Repetitions
- Counting
- Corrections
- Assignments
- Notifications
- Oral reports
- Answers
- Clarifications
- Information

TASK: Produce oral utterances to interact and communicate spontaneously or via a technical medium such as radio telephone.

CONDITIONS: Given a communicative situation (Appendices 4, 5, & 6 Soldier's Manual) in any training situation.

STANDARDS: 100% understandable communication using correct lexicon and syntax for the communication act.

The following are specific conditions found in this language task:

- Requesting information
- Requesting permission
- Transmitting messages
- Call signs
- Vocal signals
- Shout warnings
- Radio communications
- Target locations
- Directions (N,S,E,W)
- Directions, general
- Requests for fire
- Report on the results of fire
- Challenges/Passwords
- Training sessions
- Interaction

READING

TASK: Read MOS training in the form of printed prose or graphic representations in order to learn processes, concepts, vocabulary, definitions and identifications, to calculate problems, intercept codes and complete forms.

CONDITIONS: Given technical, non-technical, lexical and structural features in simple to complex printed form in any training situation.
(Appendices 4, 5 & 6)

STANDARDS: 100% understanding of printed content.

The following are specific conditions found in this language task:
Captions with illustrations.

Lists	Extracts
Procedures	Columns
Information	Indices
Definitions	Charts
Outlines	Methods
Signs	Technical Vocabulary
Markers	Standard Operating Procedures
References	Cartoons
Rules	Problems
Maps	Manuals
Flags	Graphic Training Aids
Military Documents	
I.D. Papers	
Regulations	

TASK: Identify, understand, and interpret written utterances pertinent to MOS training in technical or non-technical language.

CONDITIONS: Given technical, non-technical, lexical and structural features in simple to complex written form in any training situation.
(Appendices 4, 5 & 6)

STANDARDS: 100% understanding of written content.

The following are specific conditions found in this language task:

Lists
Information
Descriptions
Radiation readings off dosimeter
Coordinate scales
Callsigns-suffices
Three-letter codes
Examples
Calculations
Markings
Radio communications
Range cards
Notes
Messages

WRITING

- TASK:** Upon instruction, write in conventional orthography, letter, numbers, words or sentences appropriate to the training situation.
- CONDITIONS:** Given standardized forms, paper or answer sheets and-the instructions to list, answer, describe or recall.
- STANDARDS:** 100% syntactical and lexical correctness and legibility of writing which is also appropriate in style and usage to training situations. (Appendix 4)

The following are specific conditions found in this language task:

Ratings
Signatures
Range cards
Data symbols
Answers
Descriptions
Notes
Reports

- TASK:** Write, in conventional orthography, letters, or specialized code, numbers, words or sentences in order to transmit or record information.

CONDITIONS: Given standardized forms or paper and oral communication.

STANDARDS: 100% syntactical and lexical correctness of writing which can be read by another speaker of English.

The following are specific conditions found in this language task:

Technical forms
Codes
Grid coordinates
Decoded messages
Encoded messages
Logbooks
Plottings
Figures
Reports
Tags
Range cards
Applicable DA forms

APPENDICES

1. Task Prioritization Checklist
2. Task Inventory Compiled Data Forms
3. Percentage Language Skills
4. Observation Form
5. Structural/Lexical list
6. Vocabulary (DLIELC in-house)
7. Vocabulary (machine-generated)
8. English Language Structures

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AI-1

This Checklist was approved by the
Department of the Army in 1980.

TASK PRIORITIZATION CHECKLIST

APPENDIX 1

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APPENDIX 2

TASK INVENTORY COMPILED DATA FORM

This form was used to record data from
the Task Prioritization Checklist.

TRAINING SPECIALIST

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TRAINING SPECIALIST

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TRAINING SPECIALIST

NUMBER OF RESPONDENTS

TRAINING SPECIALIST

TASK

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TASK NUMBER	A1T	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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TRAINING SPECIALIST

TABLE 1

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TRAINING SPECIFICATIONS

ALL INFORMATION CONTAINED
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TRAINING SPECIALIST

		RATING OF ELTS																			
		METHODS OF TESTING																			
		METHODS OF TEACHING																			
		CRITICALITY																			
		ATT																			
RATING OF ELTS	writing	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	reading	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	speaking	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	listening	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
METHODS OF TESTING	written	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	oral	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	performance	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
METHODS OF TEACHING	self-paced	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	hands-on	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	demonstration	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	lecture	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CRITICALITY	danger to person or	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	equipment	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	importance	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ATT	difficulty?	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	tested?	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	taught?	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Q

RATING OF ELLS	writing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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TRAINING SPECIALIST

[illegible]

TASK NUMBER

442-3340

10

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856-984-46

1

2. *Journal of the American Medical Association*

1-800-368-7663

1

10

817-626-4344

10

1

001-100-100

	RATING OF ELS		METHODS OF TESTING		METHODS OF TEACHING		CRITICALITY		UNIT	
	writing		written		self-paced		danger to person or		difficult?	
	reading		oral		hands-on		equipment		tested?	
	speaking		performance		demonstration		importance			
	listening				lecture					

WOS

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

RATING OF ELS	METHODS OF TESTING	METHODS OF TEACHING	CRITICALITY	AUT
writing	written	self-paced	danger to person or equipment	difficulty?
reading	oral	hands-on	importance	tested?
speaking	performance	demonstration		taught?
listening		lecture		

[illegible]

[Handwritten signature]

TRAINING SPECIALIST

Person responsible for this matter
Due system

[illegible]

NOS	NUMBER OF RESPONDENTS
DATA OBTAINED FROM	TRAINING SPECIALIST

RATING OF ELS		METHODS OF TESTING		METHODS OF TEACHING		CRITICALITY		ATT	
writing	Y	written	Y	self-paced	Y	danger to person or	Y	difficulty?	Y
reading	Y	oral	Y	hands-on	Y	equipment	Y	tested?	Y
speaking	Y	performance	Y	demonstration	Y	importance	Y	taught?	Y
listening	Y			lecture	Y				

TABE INDEX		06-48-7071	06-48-7255	06-48-2882		
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APPENDIX 3

PERCENTAGE LANGUAGE SKILLS

This appendix contains the computations for the percentages of listening, speaking, reading and writing involved in each cluster.

Some clusters have two sets of computations because some Task Prioritization Forms were received after original computations and had to be added on.

**PERCENTAGE LANGUAGE SKILLS
NOS 636**

* = total number of responses to variables in the cluster
 T = number of tasks in the cluster
 V = variables
 R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
* TR + (T)(V)(R)	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
FIRST AID 091-63A-1070 THRU 091-63A-1074 091-63A-2075 THRU 091-63A-2078	$9 \times 5 \times 5 = 225$ 25 19 11 16 29 100 $225 \overline{) 100.000} \quad .444$	$9 \times 2 \times 5 = 90$ 8 15 23 $90 \overline{) 23.000} \quad .256$	$9 \times 3 \times 5 = 135$ 0 4 24 28 $135 \overline{) 28.000} \quad .207$	$9 \times 4 \times 5 = 180$ 19 0 4 15 38 $180 \overline{) 38.000} \quad .211$
	44%	26%	21%	21%
NBC 091-63A-1001 THRU 091-63A-1008 091-63A-2009 091-63A-2010	$10 \times 5 \times 5 = 250$ 27 29 23 23 37 139 $250 \overline{) 139.000} \quad .556$	$10 \times 2 \times 5 = 100$ 27 29 56 $100 \overline{) 56.000} \quad .560$	$10 \times 3 \times 5 = 150$ 1 7 24 32 $150 \overline{) 32.000} \quad .213$	$10 \times 4 \times 5 = 200$ 29 1 7 16 53 $200 \overline{) 53.000} \quad .265$
	56%	56%	21%	27%
INDIVIDUAL FITNESS 091-63A-1100 091-63A-1101	$2 \times 5 \times 1 = 10$ 0 0 2 2 1 5 $10 \overline{) 5.000} \quad .500$	$2 \times 2 \times 1 = 4$ 0 1 $4 \overline{) 1.000} \quad .250$	$2 \times 3 \times 1 = 6$ 0 0 0 0 0	$2 \times 4 \times 1 = 8$ 0 0 0 0 0
	50%	25%	0%	0%
			68	

PERCENTAGE LANGUAGE SKILLS
NOS 634

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variable
R = maximum number of respondents in any task in that cluster

FORM A	LISTENING	SPEAKING	READING	WRITING
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
CAMOUFLAGE 091-63A-1050	$1 \times 5 \times 5 = 25$ 3 3 2 3 5 <hr/> 16 $25 \overline{) 16.000}$.640	$1 \times 2 \times 5 = 10$ 3 $\frac{2}{5}$ $10 \overline{) 5.000}$.500	$1 \times 3 \times 5 = 15$ 0 0 2 <hr/> 2 $15 \overline{) 2.000}$.133	$1 \times 4 \times 5 = 20$ 3 0 0 1 <hr/> 4 $20 \overline{) 4.000}$.200
	64%	50%	13%	20%
LAND NAVIGATION 091-63A-2140 THRU 091-63A-2150	$11 \times 5 \times 5 = 275$ 13 18 11 9 20 <hr/> 71 $275 \overline{) 71.000}$.258	$11 \times 2 \times 5 = 110$ 9 $\frac{11}{20}$ $110 \overline{) 20.000}$.182	$11 \times 3 \times 5 = 165$ 0 0 12 <hr/> 12 $165 \overline{) 12.000}$.073	$11 \times 4 \times 5 = 220$ 18 0 0 7 <hr/> 25 $220 \overline{) 25.000}$.114
	26%	18%	7%	11%
M16A1 RIFLE 091-63A-1120 091-63A-1121	$2 \times 5 \times 5 = 50$ 6 5 7 7 10 <hr/> 35 $50 \overline{) 35.000}$.700	$2 \times 2 \times 5 = 20$ 2 $\frac{2}{9}$ $20 \overline{) 9.000}$.450	$2 \times 3 \times 5 = 30$ 0 0 3 <hr/> 3 $30 \overline{) 3.000}$.100	$2 \times 4 \times 5 = 40$ 5 0 0 0 <hr/> 5 $40 \overline{) 5.000}$.125
	70%	45%	10%	13%
		2	69	

PERCENTAGE LANGUAGE SKILLS
NOS 636

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variables
R = maximum number of respondents in any task in that cluster

FORM A	LISTENING	SPEAKING	READING	WRITE
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
LOGISTICAL MANAGEMENT	$5 \times 5 \times 5 = 125$ $\begin{array}{r} 9 \\ 10 \\ 9 \\ 2 \\ 14 \\ \hline 44 \end{array}$ $\begin{array}{r} .352 \\ 125 \overline{)44.000} \end{array}$	$5 \times 2 \times 5 = 50$ $\begin{array}{r} 5 \\ 7 \\ 12 \\ \hline \end{array}$ $\begin{array}{r} .240 \\ 50 \overline{)12.000} \end{array}$	$5 \times 3 \times 5 = 75$ $\begin{array}{r} 7 \\ 8 \\ 12 \\ \hline 27 \end{array}$ $\begin{array}{r} .360 \\ 75 \overline{)27.000} \end{array}$	$5 \times 4 \times 5 = 100$ $\begin{array}{r} 10 \\ 7 \\ 8 \\ 12 \\ \hline 37 \end{array}$ $\begin{array}{r} .370 \\ 100 \overline{)37.000} \end{array}$
	35%	24%	36%	37%
SUPPLY	$2 \times 5 \times 6 = 60$ $\begin{array}{r} 3 \\ 4 \\ 6 \\ 5 \\ 6 \\ \hline 24 \end{array}$ $\begin{array}{r} .400 \\ 60 \overline{)24.000} \end{array}$	$2 \times 2 \times 6 = 24$ $\begin{array}{r} 0 \\ 4 \\ 4 \\ \hline \end{array}$ $\begin{array}{r} .167 \\ 24 \overline{)4.000} \end{array}$	$2 \times 3 \times 6 = 36$ $\begin{array}{r} 3 \\ 3 \\ 6 \\ \hline 12 \end{array}$ $\begin{array}{r} .333 \\ 36 \overline{)12.000} \end{array}$	$2 \times 4 \times 6 = 48$ $\begin{array}{r} 4 \\ 3 \\ 3 \\ 5 \\ \hline 15 \end{array}$ $\begin{array}{r} .313 \\ 48 \overline{)15.000} \end{array}$
	40%	17%	33%	31%
MAINTENANCE	$2 \times 5 \times 7 = 70$ $\begin{array}{r} 4 \\ 9 \\ 6 \\ 3 \\ 9 \\ \hline 31 \end{array}$ $\begin{array}{r} .443 \\ 70 \overline{)31.000} \end{array}$	$2 \times 2 \times 7 = 28$ $\begin{array}{r} 0 \\ 5 \\ 5 \\ \hline \end{array}$ $\begin{array}{r} .179 \\ 28 \overline{)5.000} \end{array}$	$2 \times 3 \times 7 = 42$ $\begin{array}{r} 1 \\ 2 \\ 6 \\ 9 \\ \hline \end{array}$ $\begin{array}{r} .214 \\ 42 \overline{)9.000} \end{array}$	$2 \times 4 \times 7 = 56$ $\begin{array}{r} 9 \\ 2 \\ 5 \\ \hline 17 \end{array}$ $\begin{array}{r} .244 \\ 56 \overline{)17.000} \end{array}$
	44%	18%	21%	30%

**PERCENTAGE LANGUAGE SKILLS
NOB 636**

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variable
R = maximum number of respondents in any task in that cluster

FORM A	LISTENING	SPEAKING	READING	WRITING
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
OPERATION AND MAINTENANCE OF TEST EQUIPMENT 091-636-1401 THRU 091-636-1419	$19 \times 5 \times 8 = 760$ 70 57 74 67 80 <u>348</u> $760 \overline{) 348.000}$ $\cdot 458$ 46%	$19 \times 2 \times 8 = 304$ 18 <u>60</u> 78 $304 \overline{) 78.000}$ $\cdot 257$ 26%	$19 \times 3 \times 8 = 456$ 69 26 68 <u>163</u> $456 \overline{) 163.000}$ $\cdot 357$ 36%	$19 \times 4 \times 8 = 608$ 57 69 26 43 <u>195</u> $608 \overline{) 195.000}$ $\cdot 321$ 32%
TEST AND OVERHAUL FUEL SYSTEMS 091-636-1431 THRU 091-636-1445	$15 \times 5 \times 7 = 525$ 55 43 51 50 57 <u>256</u> $525 \overline{) 256.000}$ $\cdot 488$ 49%	$15 \times 2 \times 7 = 210$ 12 <u>39</u> 51 $210 \overline{) 51.000}$ $\cdot 243$ 24%	$15 \times 3 \times 7 = 315$ 54 27 47 <u>128</u> $315 \overline{) 128.000}$ $\cdot 406$ 41%	$15 \times 4 \times 7 = 420$ 43 54 27 26 <u>150</u> $420 \overline{) 150.000}$ $\cdot 357$ 36%
TEST AND OVERHAUL ELECTRICAL SYSTEMS 091-636-1456 THRU 091-636-1463	$8 \times 5 \times 7 = 280$ 30 25 39 33 43 <u>170</u> $280 \overline{) 170.000}$ $\cdot 607$ 61%	$8 \times 2 \times 7 = 112$ 14 <u>28</u> 42 $112 \overline{) 42.000}$ $\cdot 375$ 38%	$8 \times 3 \times 7 = 168$ 26 6 25 <u>57</u> $168 \overline{) 57.000}$ $\cdot 339$ 34%	$8 \times 4 \times 7 = 224$ 25 26 6 9 <u>66</u> $224 \overline{) 66.000}$ $\cdot 295$ 30%
	61%	38%	34%	30%
		4	70	

PERCENTAGE LANGUAGE SKILLS
NOS 636

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variables
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$TR \div (T)(V)(R) = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
REPAIR BRAKE SYSTEM COM- PONENTS 091-636-1474 THRU 091-636-1478	$5 \times 5 \times 7 = 175$ 15 14 26 23 26 <hr/> 104 $175 \overline{) 104.000}$.594 59%	$5 \times 2 \times 7 = 70$ 8 $\frac{17}{25}$ $70 \overline{) 25.000}$.357 36%	$5 \times 3 \times 7 = 105$ 17 4 $\frac{15}{36}$ $105 \overline{) 36.000}$.343 34%	$5 \times 1 \times 7 = 140$ 14 17 4 9 <hr/> 44 $140 \overline{) 44.000}$.314 31%
PERFORM MAINTENANCE ON AUTOMOTIVE ELECTRICAL SYSTEMS 091-636-2491 THRU 091-636-2519	$29 \times 5 \times 7 = 1015$ 45 43 74 52 82 <hr/> 296 $1015 \overline{) 296.000}$.292 29%	$29 \times 2 \times 7 = 406$ 20 $\frac{46}{66}$ $406 \overline{) 66.000}$.163 16%	$29 \times 3 \times 7 = 609$ 50 21 $\frac{56}{127}$ $609 \overline{) 127.000}$.209 21%	$29 \times 4 \times 7 = 812$ 43 50 21 18 <hr/> 132 $812 \overline{) 132.000}$.163 16%
PERFORM MAINTENANCE ON AUTOMOTIVE FUEL SYSTEMS 091-636-2531 THRU 091-636-2553	$23 \times 5 \times 5 = 575$ 38 22 48 41 57 <hr/> 206 $575 \overline{) 206.000}$.358 36%	$23 \times 2 \times 5 = 230$ 3 $\frac{37}{40}$ $230 \overline{) 40.000}$.174 17%	$23 \times 3 \times 5 = 345$ 55 20 $\frac{50}{125}$ $345 \overline{) 125.000}$.362 36%	$23 \times 1 \times 5 = 460$ 22 55 20 18 <hr/> 115 $460 \overline{) 115.000}$.25 25%
	36%	17%	36%	25%

APPENDIX 4

OBSERVATION FORMS

The attached forms were taken to the actual training where observers recorded actual training situations and language used in the training. These forms were used to indicate the CONDITIONS for the Job Language Performance Requirements in this MOS.

DYS _____

PERSON RECORDING _____

LOCATION
(UNIT/ATT) _____

SUBJECT _____

* TASK NUMBER IF KNOWN _____

Physical Environment of Instruction

- A. Classroom
 - B. Open Areas (live firefield- mark-up terrain)
 - C. Large enclosed area (bleacher sites)
(Warehouse size)
 - D. Other
- Comments:

Styles of Communication Instructor, Verbal order

- A. Formal Speech
- B. Informal Speech
- C. Regional/Ethnic
- D. Body Language
- E. Profanity
- F. Shop talk/slang
- G. Non-standard English
- I. Other

Comments:

Media of Instruction

- A. Films
- B. Video cassettes
- C. Graphic Training Aids (diagrams, etc....)
- D. Illustrations (requiring reading/not requiring reading)
- E. Maps
- F. Mock-ups
- G. Models/Amulate
- H. Real equipment
- I. Transparencies
- J. Tape cassettes
- K. Training Publications (required/available)
- L. Signs/Notices
- M. P.A. System
- N. Normal Voice
- O. Soldier's Manual
- P. Chalkboard
- Q. Other

Comments:

Mode of Response

- A. Manipulating a piece of equipment/device
- B. Answers (spoken - written)
- C. Signals
- D. Performance
- E. Taking Notes
- F. Teamwork
- G. Other

Comments:

Instructional Ratio

- A. Instructor, one-to-one/class
- B. Peer/one-to-one
- C. Group or Committee Group (group of instructors of whom one teaches one portion of the class)
 - Small (12 or less)
 - Large (more than 12)
- D. Other

Comments:

73

EXHIBIT 1A/1B/1C/1D

EXHIBIT 1A/1B/1C/1D

EXHIBIT 1A/1B/1C/1D

EXHIBIT 1A/1B/1C/1D

EXHIBIT 1A/1B/1C/1D

APPENDIX 5

STRUCTURAL/LEXICAL LIST

Attached is the list of
structural and lexical items
for this MOS.
(For discussion, see Section II)

STRUCTURAL ITEMS

SENTENCE PATTERNS

SIMPLE: One subject and one predicate

1. Subject and action verb
Firer aims.
2. Subject and action verb and direct/indirect object
Many things cause burns.
3. Subject and linking verb and subjective complement
This is very important.

COMPOUND: Two or more sentences joined by:

1. Coordinating conjunction

Explain the task and ask the trainees if they understand the task, and the conditions they are expected to perform at the end of the session, the conditions under which they must operate, and the standard they must achieve.

2. Conjunctive adverb

Do not start or stop the vehicle while the radio is on or you may damage the set.

3. Semicolon

A light pressure is exerted on the driving spring when the bolt is forward; however, never attempt to cock the gun while the backplate is off and the driving spring assembly is in place.

COMPLEX: One or more dependent clauses

1. Adjectival (functions as an adjective by modifying nouns and pronouns)

At the bottom of the map you will find three different bar scales which will help you to change map distance to miles, meters, or yards.

2. Adverbial (functions as an adverb by modifying verbs, adjectives, and other adverbs) The mouth-to-nose method is performed in the same way except you blow into his nose while you pinch his lips closed with one hand.

3. Noun (functions as a noun) The person who is performing artificial respiration quickly blows into the casualty's lungs after each five compressions.

SENTENCE TYPES

1. INTERROGATIVE

(do, does, modal, wh-, tag, inverted)

But what about the other 15 meters?

Ask, "What is there?"

2. DECLARATIVE

Classified information will not be discussed over the telephone.

3. EXCLAMATORY

HALT!

4. IMPERATIVE

Issue the challenge in a soft voice and wait for the (requests, commands, second person (singular/plural, negative/affirmative), First and second person (let's)) stranger to reply with the correct password.

5. ELLIPSIS:

Split the bracket until fire for effect is possible. Most common type of ellipsis--subject deleted

6. FRAGMENT

Movement to occupy a position.

All other parts.

ADVERBIAL CLAUSES

1. PURPOSES

Training must be conducted so that at least 80% of the students can accomplish the task trained to the standards specified for the task.

2. CONTRAST

Although natural terrain features are likely not to change and make good reference points to orient a map, you may also use manmade features such as roads, bridges, etc., to orient your map.

3. COMPARISON

Place suitable material under him as well as over him if necessary.

4. RESULT

Blending is the use of camouflage materials on, over, and around an object so that it appears to be part of the background.

5. MANNER

Take deep breath and place mouth around soldier's mouth; then blow forcefully as you observe his chest.

6. TIME

When you have to go a certain distance on foot without any landmarks to guide you, you can measure distance pretty accurately by counting your paces.

Split the bracket until fire for effect is possible.

7. PLACE

Loosen clothing at neck, waist, and other places where it tends to bind.

8. CAUSE

Be careful not to depress the trigger, since this will cause the firing pin to be released.

9. ADVERSATIVE

The casualty has no fractures, but has a bleeding wound.

10. CONDITION

If it isn't, your rifle can still fire, but it could possibly explode, causing you harm.

PHRASES

1. GERUND

(upon) Hearing the correct password, give permission to pass if you have no other reasons to doubt.

2. PARTICIPIAL

Using a straightedge draw a line between the two objects.

3. INFINITIVE

To camouflage exposed skin paint the shiny areas with a dark color.

4. PREPOSITIONAL

Under certain light conditions, front sight ports can be seen, but you can't determine whether you are looking through, above, or to the side of the rear sight aperture.

LEXICAL ITEMS

ADJECTIVALS

"rifle bore cleaner"
"waste material"
"burning residue"
"semi-fixed ammunition"
"extracting/loading ammunition"
"firing hammer"
"four life-saving steps"
"chest/heart massage"
"tourniquet material"
"field material"
"field condition"
"mouth-to-mouth resuscitation"

ADJECTIVES

1. WORD + ABLE

AVAILABLE

2. COMPARATIVES

Threat main tanks are smaller than the US main battle tanks.

3. SUPERLATIVES

The most dangerous targets are those that see you, have the capability of killing you, and appear to be preparing to engage you.

PRONOUNS

1. INDEFINITE

Have someone walk the FDL (if enemy situation permits), and determine dead space (sections of FDL where individual drops below line of sight).

2. POSSESSIVE

Shake his shoulder and shout, "Are you OK.?"

3. SUBJECTIVE

This will give you correct nomenclature.

4. OBJECTIVE

It will also give you the correct functioning.

5. REFLEXIVE

Keep yourself clear of the muzzle.

VERBS

1. VERB TENSES

Make sure you clearly understand the task you are to teach.

--You will be tested.

--If they elect to take it, they must complete the test once they have begun the first event or else they will receive a NO GO for the entire test.

--If the soldier is breathing, mouth-to-mouth resuscitation is not necessary.

--When all 10 pebbles have been moved to the left pocket, you have traveled one kilometer.

--Have someone walk the FDL and determine dead space.

--Sensing is an instantaneous determination by the grenadier as to where the grenade exploded.

present progressive verb
present verb (uninflected, third
person, indicative)
past tense (regular/irregular)
present perfect
future

2. TYPES

intransitive
(You) train for results.

transitive
Mask the casualty.

linking
The skin becomes inflamed.

3. VOICE

active

recognize
protect
is facing
remove
explode
sounds
points out
seen

appear
seek
secure
wear
mask
stored
do require
could affect

has
must be
wipe
rinse
put brush
empty
reassemble
reinstall

passive

given
is protected
is sprayed

are alerted
are reported
have been corrected

are authorized
be corrected

passive+verb+ing
"task will be performed
using procedures"
modal+passive voice
"can be determined"
modal+negative+passive
"must not be eliminated"

4. MODALS

You must demonstrate, once every 6 months, that you can meet or exceed the minimum level of physical fitness required of each member of your unit in accordance with the standards contained in AR 600-9.

Personnel over the age of 40 may elect not to take the APFT. The pulse should be found in the soft area between the Adam's apple and the large muscle on the side of the neck.

Injury or death could result.

During surveillance the operator will have to adjust the range focus to get a sharp image at different ranges.

"might have to be placed"
"be"
"will be given"
"should be"
"must"
"must be"
"can"
"can be"
"may be"
"should not be"

5. AUXILIARIES

(do, does, negative)

Do not zero in under 100 meters.

If the round does not fall within 5 meters of target, zeroing procedures are called for.

GERUNDS

Sensing is an instantaneous determination by the grenadier as to where the grenade explodes with respect to the target.

INFINITIVES

To fire, hold the M16A1 in the rest with your right shoulder firmly against the weapon's butt plate.

ADVERBS +

1. SUPERLATIVE

When such a line of fire exists, the primary sector will be assigned, based on it, with the FDL being the sector limit closest to the friendly troops.

2. INDEFINITE

The launcher has a heavy coat of oil on working parts, and a light coat of oil elsewhere.

3. FREQUENCY

Apply a little graphite grease to the threads of the antenna section for easy removal and to prevent the sections from seizing if they have been rarely removed.

4. OTHER

Assembly procedure for the grenade launcher merely reverses disassembly steps.

5. COMPARATIVE

The care, cleaning, lubrication and adjustment of the mount used with the gun are no less important.

VERBS AND PREPOSITIONS

Line up the key in the receptacle with the slot in the cable connector.

VERBS AND ADVERB

(particles)

Put on the protective mask within nine seconds of the chemical alarm and remain in the contaminated area for at least two minutes without making further adjustments to the mask.

APPENDIX 6

VOCABULARY (DLIELC IN-HOUSE)

The following vocabulary list
was extracted from the Soldier's
Manual task by task and then
categorized into GENERAL, BASIC
AND TECHNICAL vocabulary.

MOS (3 C
Test : Overhaul Fuel Systems Level I

GH

audility
adjust
adjusting (adj)
after
air
air pressure
any
as an
assemble
assembly
assist (adj)
assistance
attack

ball
block
body
box
branch (n)

can
cause (v)
check (v)
clear (adj)
clean (adj)
clean (v)
clearing (adj)
collar
complete (v)
compressed air
conduct
connect
connector
control (adj)
control (n)
cover
cup

damage (n)
damage (v)
defect (n)
defective
diesel
dirt
disassemblable
disassembled (adj)
disassembly (adj)
discard
double
drive (adj)
drive (n)

TECH

adapter
adjusting spring
air supply
Allen wrench
applicable
applicable vehicle
armature shaft bearing
AVDS-170 fuel injector nozzle

ball joint
barrel
bearing
bearing retainer plate
bleeder
bleeder valve housing
block
bristle

calibrate
canal
carburetor
clamping ring
clean ring
component
compound
compression
compression spring
compressor
connector tube
coupling
Cummins PTO fuel pump
cup seat

damper
diaphragm
diaphragm type fuel pump
diesel fluid
diesel injector nozzle
disassembly injector assembly
disassembly procedure
distributor
distributor block assembly
distributor valve
double hydraulic lead injector pump
drive coupling fork
drive cover
drive gear
drive shaft
drycleaning solvent

NOS 63 G

Test & Overhaul Fuel Systems Level I

GE

dryclean
drycleaning (adj)

electric
end
engine
equipment
exist

failure
fill
flow
follow
following
fork
from
full

gage
gear
general
glass
grade

handle (n)
head
holder

if
increase speed
inspect
install
installation
intake
item

jaw
jawed

kit

lever
line
list (v)
listed (adj)
lower
lubricating

main
mechanic

TECH

electric type fuel pump
end plate remover
equivalent

F & E shop set
F & E tool box
F & E tool kit
fixture
float
flow control valve
follow procedure
fuel control unit assembly
fuel control unit joke
fuel injector
fuel injector assembly
fuel injector mating
fuel injector nozzle
fuel injector tube connector
fuel intake housing and stem
fuel manifold pressure gage
fuel oil
fuel pump
fuel pump damper
fuel pump gear assembly
fuel shutoff assembly
fuel shutoff rod assembly
fuel suction line

gasket
gear pump block assembly
gear pump block plate
gear retaining ball
gear shaft assembly
gear type fuel pump
general mechanic
governor
governor assembly
governor plunge
governor plunger assembly
governor spring gage
governor weight

holder assembly
holder body
holder spring
housing
housing cover
hydraulic
hydraulic lead assembly

MOS 63 G
Test & Overhaul Fuel Systems Level I

GE

mechanical
meet
metal
model (n)
mount

necessary
nut
nylon

oil
open
operate
operation

paint
part (n)
perform
performed (adj)
piece
pin (n)
place
plate (n)
pliers
position (v)
positioning (adj)
powder
pressure
procedure
properly

rag
read
reassemble
recheck
reinstall
remove
remover
repair (adj)
repair (v)
reosir (n)
replace
replacer
require
result (v)
ring (n)
rod

safety
sandwich

TECH

improvised
improvised tool
injector
injector assembly
injector nozzle
injector plunger set
installer
installer set

lap
lapping (adj)
lapping (n)
lapping block
lapping powder
leakage
leaky
lever assembly
lubricating oil

magnify
magnifying glass
mainshaft assembly
manifold
mating (n)
mechanical puller
metal vise
metering (adj)
metering lead assembly part
mineral
mineral spirits paint thinner

NO-GO rating
nozzle
nozzle body
nozzle cap nut
nozzle leakage
nozzle retainer
nozzle spray pattern
nozzle tester
nozzle test stand
nylon washer

oil seal
O-ring
outlet
outlet line
overhaul

packing (n)
paint thinner

MOS 63 G

Test & Overhaul Fuel Systems Level I

GE

scale (n)
 seal (n)
 seat (n)
 seat (v)
 set (n)
 setup
 shop
 shutdown
 shutoff
 shut off
 single
 sleeve
 soft
 spacer
 spray
 spring (adj)
 spring (n)
 spring (v)
 standard
 start
 steel
 stem
 stop
 supply
 surface

 task
 test (n)
 test (v)
 tester
 timing (adj)
 tool
 tube
 turning (adj)
 type

 unit
 upper
 use (v)

 van
 vehicle

 washer
 weight
 window
 without
 worn (adj)
 wrench

TECH

pattern
 performance measure
 performance test
 plunger
 plunger bolck assembly
 plunger seat
 plunger spring
 poeitioning fixtare
 pressure gage
 pressure test
 PSI
 PTG fuel pump
 puller
 pulsation
 pulsation damper assembly
 pump
 pump component
 pump cover
 pump drive
 pump housing

 relief
 relief valve
 repair operation
 replacement
 replacement operation
 retainer
 retaining (adj)
 retaining ring
 reverse
 ring gear assembly

 safety procedure
 sandwich piece assembly
 shaft
 shims
 shop van
 shutdown injector pump
 single
 single barrel carburetor
 single head hydraulic injector pump
 600 grit
 skew shaft
 snapping pliers
 socket
 socket wrench
 soft bristle brush
 soft jawed vise
 solenoid
 solenoid cover assembly

MOS 63 0
Test & Overhaul Fuel Systems Level I

OE

TbH

salenoid unit assembly
solvent
spanner
spanner wheel
spindle
spindle assembly
spirit
spray pattern
spring seat
spring scale
spring steel diaphragm
sticking
sticking float
suction
station control valve

test condition
tester handle
test fixture
test fixture gage
test setup
test situation
test stand
test standard
thinner
300 grade lapping compound
thrust
thrust collar sleeve remover
timing window cover
TK 9
torque
torque adapter lever
torque wrench
tuning (adj)
tuning spring
tuning spring retaining plate
turning wrench

utilize

valve
valve seat
valve stop spacer
vise
vise with soft metal jaw cover

weight assist plunger
without assistance
without damage
without defect
wobble
wobble plate

MOS 63 G
Test & Overhaul Fuel Systems Level I

GE

TECH

wobble plate ball

yoke

NOS 63 G
Test & Overhaul Electrical Systems Level I

GE

ability
apply
as necessary
as required
assemble
assembly
assistance

bad
bell
box
break
broken
brush

cause (v)
check (v)
clean (adj)
clean (v)
cleaning (adj)
clean off
cloth
complete (v)
compressed air
condition
connector
control (adj)
cover (n)

damage (n)
damaged (adj)
defect (n)
defective
determine
dial
disassemble
drive (adj)
drycleaning (adj)
drying (adj)
during

electrical
end (adj)
end (n)
equip
equipment

failure
find
find (not course)

TECH

AC
adjust
Allen wrench
alternator
AMP
armature
armature assembly

base
bearing (n)
bearing puller
breakdown
brittleness
broken lead
brush holder
bur

capacitor
chafing (adj)
circuit
clamp
cleaning cloth
clean rag
clutch
coil
commutator
commutator end bearing
commutator end bell assembly
control box
corroded
coupling
crack

DC
dial indicator
discoloration
distributor
distributor assembly
drive coupling
drive end bell
drycleaning solvent
drying oven

electrical breakdown
end housing
extreme

fan (n)
F & E tool kit
felt (n)

MOS 63 G

Test & Overhaul Electrical Systems Level I

GE

follow
following
found
frame (n)
from

glasses (eye)
grease

holder
hose (n)

inch
install
inspect
inspection
item

kit

lead (adj)
lead (n)
list (v)
loose

meet
mount (v)

necessary

open (adj)
oven

paint
part (n)
perform
polish
procedure
properly

rag
remove
repair (adj)
repair (v)
replace
require
rod

safety
scale (n)

TECH

field coil
field winding
finer sandpaper
following items
follow procedure
400 AMP DC generator control box
frayed
frayed insulation

generator
generator model ANA-570 UT
generator model 550A-100AMP
generator model 218A
grease (MIL-G-18709)

hardware
hardware
housing

ignition
ignition distributor
improvised
indicator
insulating (adj)
insulating varnish
insulation
internally
internally mounted rectifier

lathe
lead wire
loose end terminal

mica
mineral
mineral spirits paint thinner
model
multimeter

necessary equipment
nick (n)
NO-GO rating
NO 000 sandpaper

ohmmeter
1-inch stock
1-ton truck
open circuit
overhaul
overheating

MOS 63 G
Test & Overhaul Electrical Systems Level I

GE

shop
 situation
 spring (adj)
 spring (n)
 standard
 stock (n)

tape (n)
 task
 test (adj)
 test (v)
 thin
 tool

unit

van

wire (n)
 without

TECH

performance
 performance measure
 protector
 protector felt
 puller

receptacle
 recondition
 rectifier
 rectifier unit
 repair kit
 resistor
 rotor

safety glasses
 safety procedure
 sandpaper
 scale
 sealant (MIL-S-75202)
 serviceability
 shop van
 slipring
 solvent
 spirits
 spring scale
 stator
 stator and connector assembly
 surface (n)

terminal
 test condition
 test equipment
 test standard
 test situation
 thinner
 thin rod
 thread (n)
 300 AMP DC generator
 TM 9
 25 AMP DC generator

undercut
 universal
 universal bearing puller
 unserviceable
 utilize

varnish
 varnished surface

MOS 63 0

Test & Overhaul Electrical Systems Level I

GE

TECH

washer
winding (n)
without assistance
without damage
without defect
wrench

MOS 63 G
Repair Brake System Components Level I

OE

ability
 air
 assembly
 assistance

bolt
 brake
 brush

check (adj)
 check (v)
 clean (v)
 cleaning (adj)
 cloth
 compressed air
 condition
 cross (adj)
 cup

damage (n)
 defect (n)
 disassemble
 disassembly (adj)
 disassembly (n)
 drycleaning

each
 end (adj)
 environment
 equipment

failure
 field
 floor
 follow
 following

hand

indicator
 inside
 inspect
 install
 item

kit

list

machine

TECH

actuating
 actuating spring
 adjust
 air cylinder shell
 air hydraulic cylinder
 air-pak (adj)
 air-pak end plate
 air-pak piston
 arbor
 assembly ring

bleeder
 bleeder screw
 brakedrum
 brakedrum lathe
 brakedrum mount
 brake fluid
 brakeshoe lining
 brakeshoe lining machine
 bushing

cargo
 cargo truck
 cargo truck (M814)
 carriage
 carriage gib
 C-clamp
 check valve
 clamp
 cleaning solvent
 contact (n)
 cracking (n)
 crocus
 crocus cloth
 cross slide gib
 cylinder

diameter
 disassembly operation
 double-check (adj)
 double-check valve
 drycleaning solvent

end bolt
 end plate fitting
 end plug

F & E tool kit
 field environment
 filler

MOS 63 G
Repair Brake System Components

GE

maintain
measure
meet
metal
mount
mounted

necessary

operate
operation

part
perform
performance
plate (n)
position (n)
press
procedure
properly
push (adj)

removal
remove
repair (v)
replace
require
result (v)
ring (n)
rod

safety
screw
secure
set (v)
shop
situation
slide (adj)
stamp (v)
standard
steel

test (adj)
test (v)
tool
truck

use

van

TECH

filler plug
fitting
floor mounted brakedrum lathe
fluid
follow procedure

gasket
gib

hand honer
honer
hydraulic
hydraulic brake fluid

lathe
lining
lubricate

machine brakedrum
machine tool
master
master cylinder

necessary equipment
NO-GO rating

off set
offset screwdriver

performance measure
piston
plug
poeition indicator
push rod
push rod seal

rebuild
reline
replace
retaining
retaining cup
retaining ring
reverse
rivet

safety procedure
scarred
scarred surface
screwdriver
seal (n)
shell

54

AD-A121 062

JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 63G FUEL
AND ELECTRICAL SYS..(U) DEFENSE LANGUAGE INST LACKLAND
AFB TX ENGLISH LANGUAGE CENTER.. 30 JUL 76

2/2

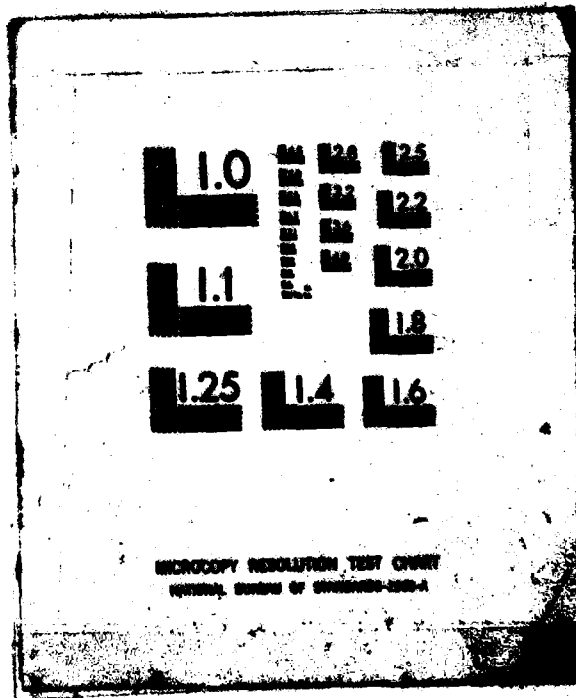
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F/G 5/9

NL

END
DATE
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DTIC

CLASSIFIED



NCS 63 G

F & E Systems Repairman

Performance maintenance on automotive fuel systems

Level II

GE

ability
above
air
air pressure
all
arm
assemble
away from

ball
back (adj)
barrel
base
between
body
bring

cap
cause (v)
check (n)
check (v)
clean
cleaner
close (v)
cloth
complete (v)
compress
compressed air
connect
control (n)
control (v)
cool
correctly
cover (n)
cover (v)

damage (n)
damage (v)
determines
double
drive (n)
drive (v)
dust

electrical
emergency
end (n)
engine
equipment
examine

TECH

above procedure
accelerator
accelerator return spring
access
access plate
adapter
adapter bolt
adjust
adjustment
adjustment procedure
air cleaner
air cleaner hose
air compressor
air fitting
air horn
air hose
air suction
align-aline
alignment
apply
apply air pressure
armored
assembly
assistance
assistant
attach
automotive
automotive fuel system

back deck
backlash
back out
ball bearing
barometric
barometric pressure
bleeder
bleeder valve
block (n)
blow out
body passage
bolt (n)
Bosch fuel system
bracket
breather
breather and ventilation system
bring up on
buffer
buffer screw

OE

failure
fan (n)
field
fill
follow
following
following items
four
from
front
fuel

general
glass

high
hold
hold
horn
hose

identification
if necessary
if possible
inch (in.)
inspect
inspection
install
installation
item

kit

leak (adj)
leak (n)
leak (v)
light (n)
line (n)
list (v)
lock (n)
loosen
low
lower

maintenance
make
mechanic
meet
metal

necessary
new
normal

TECH

bulb
bur (n)
bushing
bushing type bearing
cable
calibrate
calibration
capscrew
capscrew topped opening
capsule
carburetor
cargo
carrier
carrier, command and reconnaissance,
armored

casting (n)
chamber
chaser
choke
choke control table
clamp
clockwise
closing (n)
command
compensate
component
compression
compression stroke
compressor
condition
conformance
connected metering head assembly
connection
connector
cooling fan
counterclockwise
coupler
coupler identification
coupling
coupling bolt
crack (n)
crankshaft
crossover
Cunningham & Co. Inc. (N 500 Series)

curve
cylinder
damaged threads
deck
defect

MOS 63 0
F & E Systems Repairman

OE

number (no.)

oil
on
one half ($\frac{1}{2}$)
only
operate
out of

part (n)
perform
pin
pipe
plate (n)
power (n)
prepare
pressure
procedure
proper
properly
pump (n)
push

raise
rear
remove
repair (n)
repair (v)
replace
require
result (v)
return (n)
return (v)
right (direction)
round
rubber

safety
screw (n)
seat
separate (v)
set (n)
set (v)
stop (n)
shut down
special
speed (n)
stand (n)
start
stop
stop

TECH

delivery
delivery valve
delivery valve test
diesel
diesel fuel
differential
disassemble
discoloration
disconnect
distributor
distributor block
double
double head injector pump
drive coupler
drive coupler sleeve
drive unit
dust cap

elbow
elbow to carburetor
emergency shutdown valve
engine exhaust cross-over pipe
engine top shroud
engine turning tool
environment
evidence
evidence of pounding
exhaust
exhaust valve

F & E tool kit
fan guard
field environment
filter
filter bracket
fittings
flow
flywheel
flywheel timing mark
follow procedures
four-barrel carburetor
front fuel injection
fuel connector
fuel delivery adjustment
fuel flow
fuel filter
fuel injector
fuel injector sleeve
fuel injector nozzle
fuel injector nozzle and
holder assembly

MOS 63 G

F & E Systems Repairman

OE

strong
supply
system

task
test (n)
test (v)
tool
tool kit
ton
top (n)
top (v)
truck
turn
type

unit
until
up
upper
use

where
when
with
without

TECH

fuel injector pump
fuel injector tube connector
fuel leakage
fuel line
fuel pump
fuel return hose
fuel servo oil and bulb chamber
fuel supply
fuel supply pump
fuel supply tube
fuel system

gage
gap
gap adjusting screw
gap setting
gasket
gasket set
gear
general mechanic's tool kit
general parts inspection
gauge (n)
governor
governor cover
governor differential lever pin
governor gap
governor spring housing cover
guard

head
high pressure line clamp
high speed spring plunger
hold-down
hold-down clamp
holder
holder body
holder spring
hose clamp
housing
housing parity test
howitzer (M 109)
hydraulic
hydraulic head
hydraulic head in
hydraulic head test
hydraulic head test
hydraulic lead

idle
idle adjustment

MOS 630
F & S: stens Repairman

BE

Repairman

Adjuster

Adjuster

Adjuster

Adjuster

Adjuster

Adjuster

Adjuster

Adjuster

Adjuster

Adjuster

Adjuster

Adjuster

Adjuster

Adjuster

Adjuster

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Adjuster

Adjuster

Adjuster

TECH

idle adjustment body
idle adjustment body plug
idle adjustment jet venturi
idle adjustment screw lock spring
idle adjustment value spring
idle speed
improper
improper installation
information
injection
injection pump test stand
injector
injector assembly
injector body
injector coupling
injector flow
injector line
injector nozzle
injector nozzle holder
injector opening
injector pump
injector pump coupling boat
injector pump oil line
injector spray pattern
injector test stand
injector wrench
inlet tube
insert
insure
intake
in-tank
in-tank fuel pump
IR INS PORT CLOSED

jet venturi
joint
joint socket

LHS-161-5 (engine)
LHS-165 (engine)
land (n)
leakage
leakage test
leaking
leaking pressure
lever
lever pin
linkage
link test
link spring

ok

Teah

lower pump mounting nut
low speed spring cap

machined
magnaflux
magnaflux equipment
magnify
magnifying glass
mark (n)
mark (v)
marked tooth
mating
mating surface
measure (n)
meter
metering
minimum
MIL-F-45121 (GIE diesel fuel)
mount
mount bolt
mounting
mounting hose
multifuel
multifuel engine
M-25A2
M-35A1
M-35A2
M-60A1 fuel injector pump
M-6CA1 tank
M-60 A1 tand powerpack
M-109 Lowitzer engine
M-11hA1E1

necessary equipment
nick (n)
NO-GO rating
normal operation temperature
nosale
nosale chapter bolt
nosale cap nut
nosale retiner
nut

oil filter
oil filter tube
oil line
opening
original
original metering high assembly
outlet
outlet
tube
out-of-round condition
overhaul

GE

Teach

pattern
 passage
 performance
 performance measure
 performance test
 pit
 pitting (n)
 plug plunger
 pointer
 porosity
 position(v)
 post
 post-closing heat
 pounding (n)
 power magnification minimum
 precalibration
 precalibration adjustment
 primary
 primary fuel filter bracket
 proper sequence
 PSB 6A
 PSB 12 BT (double head injection pump)
 PSI Air Supply
 PID fuel injector
 PT type fuel pump
 pump body
 pump coupler mark
 pump drive gear
 pump electrical lead
 pump end cover
 pump lever
 pump mount belt
 pump rebuild kit
 pump timing hole

raised metal
 reparable
 rebuild
 recheck
 reconnaissance
 reinstall
 repair kit
 replace
 retainer
 retracting
 retracting spring
 return spring
 return tube
 sump
 sump above procedure
 tight intake valve
 rocker
 rocker arm

GE

Task

32

rocker air belt
rocker arm shift
RPM
rotate
rotate crankshaft clockwise
rubber drive

safety procedure
scratch (n)
secure (v)
seepage
sequence
series
serviceability
serviceable
serviceable
serviceable carburetor
servo
servo oil
setting
shaft
shop environment
shop van
shoulder
shroud
shutdown
shut off
shutoff cable
Simmonds Fuel Pump
Simmonds Model SU
single
single head
situation
sleeve
socket
spacer
spray
spring (n)
spring housing
spring seat
standard
stem
stop (N)
stripped
stripped threads
stroke
strong light
stool
surface
surface fitting
suitable
suitable air fitting
surface
swing
system

Task/Model notes

(c) [REDACTED]
[REDACTED] [REDACTED]
[REDACTED] [REDACTED]
[REDACTED] [REDACTED]
[REDACTED] [REDACTED]

[illegible]

NOS 63G
FAE Systems Repairman

GE

Tech

type G (PT fuel pump)

upper valve cover
USE NEW GASKETS THROUGHOUT
utility
utilize

vacuum
vacuum gage
valve
valve control linkage
valve cover
valve cover assembly
valve spring
valve stem
valve stop spacer
van
vehicle
ventilation
ventilation tube
venture
vise
visible

warping (n)
wear (n)
without assistance
without causing damage
without defects
wrench

MOS 63G

Perform maintenance on automotive electrical systems

Level 2

GE

ability
above
after
air
allow
along
arm
around
as required
assemble
assembly
as shown in
assistance
assistant

bank
before
belt
be sure
between
beyond
block
both
box

Tech

above (adj) procedures
AC
access
access plug
AC charging system
AC generator
actuate
AC voltage test
adapter
adjust
adjusting
adjustment
adjustment procedure
air compressor
air hose
align
aline
alternator
ammeter
ammeter negative
binding post
AMP
amperage
amperage output
ampere
ampere DC generator control box
amp generator test stand
applicable
applicable TM
applicable vehicle TM
approximate(v)
arm
arm bolt
assembled generator
attach

back off
bank post
battery
battery ground cable
bench
binding
block
block lead
blower
bolt
breaker
breaker arm
breaker point assembly

GE

cap
cause (n)
couse (v)
check (v)
clean (v)
cleaner
close (v)
colored
come on
complete
condition
connect
connecting
connection
continue to run
control
correct
cover
cut

Tech

cable
can
candwell meter w/ adapters
can dwell test
carbon
carbon pile
cargo
charging (adj)
charging rate
circuit
clearance
clockwise
clutch
colored lead
component
compressor
connector
connector end
contact
contact gap
continuity
continuity test
control box
conversion
conversion table
counterclockwise
coupling
cradle
cranking (adj)
cranking cycle
crankshaft
cycle
cylinder

GE

damage
damaging
deflect
determine
direct (v)
dirt
disconnect
drive (adj)
drive (v)
driving (adj)
drycleaning (adj)

each
either
electrical
end (n)
engine
environment
equipment

Tech

DA form 2404
DC
defective
deflection
devise
dial
dial indicator
dimmer
dimmer switch
diode
dipstick
direct drive
direct drive generator
distribution
distribution acals
distributor (adj)
distributor (n)
distributor cam shaft assembly
distributor point tension
distributor positioning
drive belt
drive clutch penion clearance
drive housing
driving head
drycleaning solvent
duot
dwell
dwell meter
dwell meter adapter
dwell meter reading

electrical lead
electrical lead connector
electrical repair kit
electrical test adapter
electrical test set
elongated
elongated hole
end play
engine cover
engine harness
engine turning tool
evaluate
evaluation
excessively
expose
extension
extension tube
extreme

GE

fail
failure
field
follow
following
front
fuel

gain (v)
general
ground

Tech

F and E tool kit
faulty
faulty gage
feeler
feeler gage
field environment
field resistance
field resistance test
field rheostat
field rheostat knot
fixture
flange
flexible
flexible generator duct
flywheel
flywheel housing
follow procedure
frame (n)
front mount bolt
fuel control valve
fuel odor
function

gage
gage wire
gap
general mechanic's tool kit
general mechanic's tool box
generator
generator assembly
generator cradle
generator drive bolt
generator duct
generator load test
generator mount
generator regulator
generator speed
generator wiring harness
governor

GE

head
headlight
heat
help (v)
high
hole
hose

identify
if
inch
incorrect
increase
information
in position with
inspect
inspection
install
installation
item

key
kit
knob

Tech

hardware
harness (n)
headlamp
heater
heater blower
heater repair kit
heat run test
high idle
housing

idle (n)
ignition
ignition distributor
ignition switch
improper
improperly
indicator
inoperative
instrument panel
insulated
insure
insuring
internally
internally regulated
interpret

jumper
jumper lead
jumper wire

GE

leak (n)
 left (adj)
 light (n)
 list (v)
 load (adj)
 load (n)
 loosen
 low

machine
 main
 make
 make certain
 make sure
 mark (n)
 mark(v)
 measure
 mechanic
 meet
 middle row
 minute (n)
 motor
 mount (adj)
 mount (n)
 move(n)

Tech**EO**

leak (n)
 left bank
 left bank magneto
 left cylinder
 lever
 lighting
 lighting system
 load bank
 load bank push
 load bank switch
 load bank test
 load relay
 load switch
 load test
 lock
 lock torque test
 LVCT (low voltage circuit tester)

machine key
 magneto
 magneto breaker point
 magneto cover
 magneto mount bolt
 magneto point
 magneto shaft
 magneto timing light
 malfunction
 media
 media wrecker
 meter
 meter function
 model
 mounting
 mounting bolt
 mounting flange adapter
 multimeter

GE

noise
number

observe
odor
off
oil
one
only so far as
open
operate
operation
other
over

Tech

79

nameplate
needle
needle reading
negative
negative lead
negative post
NO-GO rating
no-load test
neat

ohmmeter
ohmmeter reading
oil dipstick
oil pressure gage
oil pressure sending unit
resistance test
1/4 ton truck
open circuit
output
output switch
outward
overhaul
overheat
overspeed
overspeed test

GE

paint
perform
performance
place (v)
play (n)
point (adj)
point (n)
position (n)
power
prepare
present (adj)
pressure
procedure
proper
properly
pull
push

quickly

read (v)
reading(n)
rear
recheck
record (v)
reinstall
removal
remove
repair (adj)
repair (v)
repeat
require
result (n)
result (n)
result (v)
right (direction)
run

For

paint thinner
performance measure
performance test
personnel
personnel heater
pile
pinion
pinion block test
pivot
pivot arm
pivot shaft
plug (n)
pointer
point tension
polarity
polarity diode
polarize
position(v)
positioning (n)
positive
positive lead
positive voltmeter post
post
powerpack
powerjack vehicle
power take-off adapter
precision
precision timing
proper deflection
proper evaluation
properly adjusted
properly set
purge
purge cycle

range
range selector
rate
recovery
recovery vehicle
regulate
regulation
relay
removal operation
removal procedure
removal time
RFN
RFN indicator
replace
replacement
replacement operation
resistance
resistance test
resistor
reversal
rheostat
rheostat post
right bank
rotate

GE

safety
 same
 secure (adj)
 secure (v)
 set (v)
 set (n)
 set up
 shop
 show (v)
 shut down
 shut off
 side
 situation
 slide
 snake
 speed
 stand
 standard
 start (v)
 starter (adj)
 starter (n)
 starting (adj)
 step (n)
 stop
 stop running
 swing
 system

Tech

safety procedure
 scale (n)
 selector
 selector switch
 sending unit
 series
 serviceability
 set idle to required RPM
 setting (n)
 setup
 shaft
 shaft connecting
 shop van
 side play
 socket
 solvent
 spacer
 spacer block
 spark
 spark ignition engine
 spark plug
 spark plug cable
 spark plug cleaner
 spark plug gap
 spark plug tester
 speed load set
 splice
 splice adapter
 spring
 spring scale
 starter
 starter motor
 starter rear mount
 starter rear support mount
 starting switch
 stud
 support (n)
 switch (adj)
 switch (n)
 switch (v)
 switch lever
 switch nameplate
 switch on
 switch setting
 synchronise

22

tank
task
test (adj)
test (n)
test (v)
tester
then
three
time *v)
ton
tool
top
truck
tub
turn back
turning
turn off turn on

Tech

32

table (chart)
tachometer
take off
tank
tank powerpack
TB ORD 650
tension
terminal(n)
terminal nut
terminal socket
test adapter
test bench
test condition
test equipment
test fixture
testing
procedure
test lead
test light
test meter
test stand
test standard
test situation
thinner
tighten
tightly
timing (adj)
timing (n)
timing device
timing light
timing light switch
timing work
Tng
torque
torque mounting volt
torque wrench
tracked
tracked vehicle
tracked vehicle starter
troulesome

GE

unit
until
use

van

when
wire
without
wrap

Tech

U-bolt
utilize

valve
variable
variable resistor
vehicle
vehicle frame
vehicle power
ventilation
ventilation air
vibration
visual
visual inspection
volt
voltage
volt load
voltmeter
volt range
volt reading

waterproof
waterproofing
waterproofing test tube
waterproof test
water tank
wheeled
wheeled vehicle
wheeled vehicle starter
wiring
wiring harness
with engine running
with one assistant
without assistance
without damage
without damaging
without defect
wrecker
wrench

MOS 63 0

Operating & Maintenance of Test Equipment Level I

GE

ability
act
adjust
advance
after
air
aline
along (beside)
angle
any
as follows
as indicated
assemble
assembly
assistance
assure
attach

balance (v)
bare
battery
be able to
be aware of
before
belt
bench
bind
block (adj)
board
body
boots
brush

can
capacity
carrying case
cause (v)
charge (n)
check (n)
check (v)
check to see
clean (adj)
clean (n)
clean (v)
cleaning (adj)
clear
cloth
cold
collector
compartment

TEI

adapter
after operation
air supply
alternator
American Bosch
(model PSB-12 BT) fuel pump
AMP
annotate
apron
auxiliary
auxiliary motor

battery compartment
battery system test
before operation
bench type ignition component tester
binding part
bleeder
bleeder valve test
body and fuel assembly
bracket
breakage

cable
calibrate
cam angle test
cam lobe test
capacity position
circuit
circuit tester
cleaning and preserving material
cleaning compound
clear of moving parts
comparator
condenser
connector set
continuity
corrosion
cup collector

DA FORM 2404
dangling necktie
DA PAM 305-1
delivery valve test
Diesel fuel injector nozzle tester
direct drive generator or alternator
direct driven generator

complete
completeness
component
condition
conflict
connect
connection
connector
control
correct
cup

daily
damage
damaged (adj)
defect (n)
defective
delivery
determine
Diesel
direct
disassemble
discharge
dogtag
dress
drive
dryclean
during
dusty

ear
electrical
element
engine
equipment
exhaust
extreme

failure
fluid
follow
following
found
free
front
full

gauge
good
grease (n)
grease (v)
ground

handle
hazard

discharge block assembly
distributor
distributor resistance test
drive motor
driving head
drycleaning solvent
during operation

ear protected device
electric device
electric fixture
electric motor
electric switch
enerator
engine distributor tester
engine distributor W/HI
engine electrical test adapter
equipment control
exhaust trap
explosion proof nature
exposed threaded parts
exterior
exterior surface
external
extreme

F and E tool kit
filter
firm sealing
500 AMP test stand
flange
fluid starvation
fuel injector nozzle test stand
fuel leakage test
fuel panel mounted meter
fuel reservoir assembly
fuel shutoff
fuel tank
fuse
fuse holder

generator
generator regulator
goggles

hardware
heater elements
high humidity
high pressure hose
hoisting machine
horizontal
horizontal bench
hose
hose
hose
hose

OE

heat
heater
high
high speed
holder
hone
hose
humidity

identify
indication
information
in position with
insert
inspect
inspect to see
inspection
install
item
interfere

job

keep
kit

lamp
lead (n)
leak (n)
leakage
lest (v)
locate
long sleeves
loose clothing
low
lubricate
lubricating (adj)

machine
main
maintain
maintenance
make test
master (adj)
material
meet
metal
meter
middle
mild

TECH

hydraulic head #1
hydraulic head #7
hydraulic pressure
hydraulic pressure gage

ignition
injector
injector nozzle
injector nozzle teststand (comparator)
injector nozzle teststand W/BII
injector pump teststand W/BII
injector pump timing
in reverse order
instrument panel

job operation

leakage
leakage position
lobe
low voltage
low voltage circuit tester (LVCT)
lube oil tank
lubricating oil
lubricating oil pressure
lubrication oil tanks

machine key
machine oil
magneto
magneto teststand
main bearings
main drive motor
main drive pulley
maintenance operation
malfunction
master injector gage
meter window
mild soap
modification
mounting flange adapter
multimeter
multiple
multiplication of circuits

NO-GO rating
nozzle

oil trap
O.K. indication

moisture
monthly
motor
mount
mounting
moving

necessary

oil (n)
oil (v)
OK.
one
open (adj)
operate
operation
operator
order
other
other than
outward
over

painted (adj)
part (n)
perform
personal
place (v)
P.M.
painter
poor (bad)
position
power
prepare
preserving (adj)
pressure
prevent
preventive
procedure
proper
properly
protection
protective
provide
price
pump

reading (n)
record (v)
relay
remove
repair
require
resistance
result (v)

open test leads
overheating

panel
performance measure
performance test
periodically
personal protective equipment
personnel
pivot
pivot arm
pivot shaft
plunger
powdered (adj)
powdered technical talcum (ZZ-T-416)
power cable
preventive maintenance
publication
pump motor
purge

receptacle
rectifier
rectifier compartment
regulator
regulator resistor fuse
relay
reservoir
resistor
rubber gloves

safety measure
safety operation
safety procedure
safety standard
shaft
shaft coupling
shop van
shutdown maintenance check
sliding rod guide
soft clean cloth
solvent
splice
splice adapter
spindle
spindle speed
starter mounting bracket assembly
starting system test
starvation
static
stonecare section

tachometer
tachometer generator
talcum

126

Gk

reverse (adj)
ring (finger)
row (n)
rubber
rust

safely
safety
sandy
secure (n)
secure (v)
selector
service (n)
service (v)
serviceability

set
shop
shut down
shut off
slide (v)
soap
so as to
soft
SOP

space
spark (adj)
specise
standard
starter
starting
static
stone
stud
such as
sufficient
sustainable
supply
surface
switch
swing
system

tank
task (n)
technical
temperature
terminal (n) (adj)
test
tester
tighten

TECH

temperature gage
terminal compartment
test adapter
test condition
test situation
test stand
test standard
testing operation
timing where
T.I.
TM 11
tool kit
trimmer condenser
trouble shoot

unity safety SOP
unusual condition
unusual

vacuum controlled distributor
vacuum controlled spark advance
varidrive
v-belt
voltage

waste tank
wire brush
without damage
without defect
work order

C

timing
tool
trap (n)
trap (v)
trim (v)
type

unit
unsafe
unusual
use (n)
use (v)
usual

vacuum
value
van
vehicle

C

waste
water
wear
weekly
sheel
whole
while
window
wire
wiring
without

C

C

C

2 3 1

MOS 63 G

Logistical management Levels I & II

GE

ability
accidental
accomplish
action
action taken
amount
any other
apply
appropriate
Army regulations
arrival
as follows
as required
assembly
assign
as soon as possible
as well as

based on
begin
beginning time
belong
below
between
block
boots
bumper
button (n)

canvas
change (n)
check (n)
chipped
classroom
clean (adj)
clean (v)
cleaning(n)
clothing
complete
condition
contain
correct
correctly
cover
cup
current
cutting (adj)

date (n)
demand (adj)
departure
describe
detect

BT

canteen

field conditions
field manuals

garrison conditions

initial issue (clothes)

mess gear

orderly room

regulation

supervisor

TECI

(the) above standards
accounted for
alphabetical index
applicable
AR 710-2

before-operations check
bumper number A 16

canvas equipment
category
category rating
chisel
clipboard
column
compliance
compliance date
corrosion
(current modification
work orders)

DA FORM 2064
DA FORM 2400
DA FORM 2404
DA FORM 3318
DA MWO
DA PAM 310-4
DA PAM 310-7
demand priority
"destination" column
document
document register
drift

ESC-Equipment
Serviceability Criteria
ESC TM
evaluation HO-GU

field environment
figure number
functional group

index
"In" line
inventory

leave blank
limited urgent
listing of repair parts
10 and TM
log book

determine
difference
dispatch
dispatcher
drives
dull
during

each
early
edge
either
end
enter
entry
environment
equipment
eraser
excessively
explain

failure
fault
field
figure (n)
find
form (n)
for the following
functional

garrison
gasoline
ground (v)
group

hammer
handle
heels (shoe)

identify
identity
i.e.
if any
illustration
immediately
in accordance with
in conjunction with
indicate
individual
information
initials
injury
in place
inspect
install
instruction
insure
insure

lubrication order number

maintenance shop
modification
M 151 series motor pool
M151 series vehicle
motor pool
mushroomed head
MWO (modification work
orders)
MWO numbers

nomenclature
noun nomenclature
NSN (National Stock
Number)

odometer
odometer reading
one-quarter ($\frac{1}{4}$) ton truck
operator maintenance
technical manual
"operator signature"
"ont" line

performance measure
priority
punch (n)

rearview mirror
rearview mirror assembly
record of demand
"Remarks Column"
repair part
repair parts listing

screwdriver
service number
shop area
signature
specify
stock number
supply action

table of contents
Tamm's Forms
test conditions
test situation
"Time Column"
time compliance period
time reading
TM item number
TM 9-2320-218-10
TM (training manual)
tool kit/set
"total" time
truck, cargo, 2 1/2

HOS 63 G
Logistical management Levels I & II (cont.)

GE

item
item #

kit/set

later
leave blank
line (n)
list (n)
list (v)
listing (n)
locate
location
lubricate
lubrication

maintain
maintenance
manual
marked
marking (n)
meet
mend
mile
minute
mirror
modification
month

name
nearest
necessary
none
normal
normally
note (v)
noun
number (n)

oil
operable
operate
operator
order number
organizational
other
outline (n)
outline (v)

page number
pamphlet
paper

TEH

unit of issue
unit SOP
urgent
utility

vehicle category (RED, GREEN,
AMHER)

vehicle fault
ventilated

web equipment
wedge
well-lighted
windshield wiper

part (n)
partially
pencil
perform
period (time)
piece of paper
polished (adj)
prepare
prescribed
present (adj)
pressed (adj)
prevent
procedure
proper
properly
provide
publication
put in

quantity

rank
rate
rating
rearview
record (v)
refer
reflecting
release
repair
replace
report (to)
require
result (n)
result (v)
return (n)
rust

satisfactory
section
secure
select
series
serviceable
shoes
shop
show
showing (n)
sign name
size
sales (shoe)
standard
stop (n)
storage
store

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Logistical management Levels I & II (cont)

OE

succeeding (following)
suitable
supply

task
tear (n) (in clothing)
technical
test (v)
tester
this morning
tight
time
titled
tool
top
trip
truck
twenty-four hour clock
type

uncorrected
under
unit
until
use

vehicle

weather conditions
within (time)
worn (adj)

zipper

APPENDIX 7

Appendix 7 is the machine-generated vocabulary list. It was not useful for our purposes. It is included as a vocabulary reference.

NOTE: TRADOC was unable to furnish a
machine-generated vocabulary
list for this MOS.

APPENDIX 8

ENGLISH LANGUAGE STRUCTURES AND LEXICON

The following list is included as an addition to the structural and lexical list. These structures and lexical items are very basic.
(See Section II for discussion.)

LIST OF LEXICAL AND STRUCTURAL ITEMS FOR ENGLISH LANGUAGE STRUCTURES

Sentences:

- | | |
|------------------|-------------------------|
| A. Declarative | statement |
| B. Interrogative | question |
| | 1. wh- questions |
| | 2. tag questions |
| | 3. yes/no questions |
| C. Imperative | command, polite request |
| D. Exclamatory | exclamation |

Sentence Complexity:

- | | |
|---------------------|---|
| A. Simple | one full subject and predicate |
| B. Compound | two or more independent clauses joined by: |
| | 1. punctuation |
| | 2. punctuation and conjunctive adverb |
| | 3. coordinate conjunction |
| C. Complex | one or more dependent clauses and an independent clause |
| D. Compound-Complex | two or more independent clauses and one or more dependent clauses |

Verbs:

- | | |
|----------------------------|---|
| A. Concord | subject-verb agreement |
| B. Transitive | takes an object |
| C. Intransitive | doesn't take an object |
| D. Copula | to be |
| E. Linking | connectors |
| F. Auxiliaries of tense | will, do, did |
| G. Auxiliaries of modality | should, ought to, must to, have to, have got to, able to, can, may, might, could, would |
| H. Tense | present, past |
| I. Aspect | perfect, progressive |

Verbal Forms:

- | | |
|-----------------------|---------------|
| A. Present Participle | active voice |
| B. Past Participle | passive voice |

Voice:

- | | |
|------------------------|----------------------------|
| A. Active | subject does action |
| B. Passive | subject does not do action |
| 1. agent expressed | |
| 2. agent not expressed | |

Nouns:

- | | |
|---------------|-----------|
| A. Singular | man, pen |
| B. Plural | men, pens |
| C. Count | chairs |
| D. Mass | flour |
| E. Possessive | soldier's |
| F. Collective | fish |

Adjectives:

- | | |
|-----------------------------|---------------------------|
| A. Predicative | The tank is green. |
| B. Attributive | The green tank is moving. |
| C. Degrees of comparison | |
| 1. regular | big, bigger |
| 2. irregular | worse, worst |
| D. Ordinal/Cardinal Numbers | first, one |

Adverbs:

- | | |
|-------------------|-------------------------|
| A. Time/Frequency | immediately, today, ago |
| B. Place/Position | here, there, everywhere |
| C. Manner | maybe, possibly |
| D. Negative | no, never |
| E. Comparison of | nearest, harder |
| F. Degree | thoroughly, completely |

Articles:

- | | |
|---------------|-----------|
| A. Definite | a, the |
| B. Indefinite | any, some |

Pronouns:

- | | |
|------------------|---------------------|
| A. Personal | you |
| B. Demonstrative | that |
| C. Indefinite | anybody, both, each |
| D. Reflexive | himself, yourself |
| E. Cases of | I, me, my, mine |
| F. Relative | who, whom, whose |
| G. Interrogative | who, which, what |

Conjunctions:

- | | |
|-----------------------|------------------------------|
| A. Coordinating | and, but, or, nor |
| B. Subordinating | because, if, as, that, after |
| C. Correlative | either, or |
| D. Conjunctive adverb | therefore, furthermore |

Prepositions:

A. Simple

1. place
2. time
3. direction/motion
4. manner/agent/
instrument
5. measurement/
number amount

on, in
in, at, on
to

by, with

of

B. Compound:

according to, because of, by means

Vocabulary:

words from 1100 through 2400 -
Elementary and Intermediate Phase of General
English materials

Special Expressions/Idioms

"knock it off" "can it, buddy"

Verb Combinations

two word verbs

